



# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

**Product name** HP LaserJet 92298A-X Print Cartridge

### Recommended use of the chemical and restrictions on use

**Intended use** This product is a toner preparation that is used in HP LaserJet 4/4 Plus/4M/4M Plus/5/5M series printers.

**Company identification** Hewlett-Packard Japan, Ltd.  
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Telephone (+81) 3 5628-1101

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(Toll-free within the US) 1-800-457-4209  
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(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
Email: hpcustomer.inquiries@hp.com  
Poison Information Centre 0120-50-3024

## 2. Hazards identification

**Physical hazards** Not classified as a physical hazard.

**Health hazards** Not classified as a health hazard.

**Environmental hazards** Not classified as an environmental hazard.

**Other hazards** None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

Components	CAS #	Percent
Iron oxide	1317-61-9	<55
Styrene acrylate copolymer	Trade Secret	<55
Amorphous silica	7631-86-9	<3

## 4. First aid measures

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

**If on skin** Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

**If in eyes** 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.

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

**Most important symptoms and effects** No data available

## 5. Fire-fighting measures

**Flash point** Not applicable

**Extinguishing media** CO<sub>2</sub>, water, or dry chemical

**Extinguishing media to avoid** None known.

**Special fire fighting procedures** If fire occurs in the printer, treat as an electrical fire.

**Protection of fire-fighters** No data available.

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## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency measures</b>	Minimize dust generation and accumulation.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
<b>Clean-up methods and materials and containment measures</b>	Not available.

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## 7. Handling and storage

### Handling

<b>Technical measures</b>	Not available.
<b>Local and general ventilation</b>	Not available.
<b>Precautions</b>	Not available.
<b>Safe handling advice</b>	Not available.

### Storage

<b>Technical measures</b>	Not available.
<b>Suitable storage conditions</b>	Not available.
<b>Incompatible products</b>	No data.
<b>Safe packaging materials</b>	Not available.

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## 8. Exposure controls/personal protection

### Recommended monitoring procedures

<b>Additional exposure data</b>	USA OSHA (TWA/PEL): 15 mg/m <sup>3</sup> (Total Dust), 5 mg/m <sup>3</sup> (Respirable Fraction) ACGIH (TWA/TLV): 10 mg/m <sup>3</sup> (Inhalable Particulate), 3 mg/m <sup>3</sup> (Respirable Particulate)
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<b>Engineering measures</b>	Use in a well ventilated area.
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### Personal protective equipment

<b>Respiratory protection</b>	Not available.
<b>Hand protection</b>	Not available.
<b>Eye protection</b>	Not available.
<b>Skin and body protection</b>	Not available.
<b>General</b>	No personal respiratory protective equipment required under normal conditions of use.

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## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Solid.
<b>Form</b>	solid
<b>Color</b>	Black.

<b>Odor</b>	Slight plastic odor
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<b>Odor threshold</b>	No information available.
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<b>pH</b>	Not applicable
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<b>Melting point/Freezing point</b>	Not available.
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<b>Boiling point, initial boiling point, and boiling range</b>	Not applicable
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<b>Flash point</b>	Not applicable
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<b>Auto-ignition temperature</b>	Not applicable
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<b>Flammability limit - lower (%)</b>	Not flammable
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<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not applicable
<b>Specific gravity</b>	Not available.
<b>Solubility</b>	Negligible in water. Partially soluble in toluene and xylene.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	>= 392 °F (>= 200 °C)
<b>Viscosity</b>	Not applicable
<b>Softening point</b>	212 - 302 °F (100 - 150 °C)
<b>Other data</b>	
<b>Oxidizing properties</b>	No information available.
<b>Percent volatile</b>	0 % estimated

## 10. Stability and reactivity

<b>Stability</b>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Imaging Drum: Exposure to light
<b>Incompatible materials</b>	Strong oxidizers
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.

## 11. Toxicological information

**General information** Not available.

### Information on likely routes of exposure

**Ingestion** Not available.

**Inhalation** Not available.

**Skin contact** Not available.

**Eye contact** Not available.

**Symptoms** Not available.

### Acute toxicity

Components	Species	Test Results
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Amorphous silica (CAS 7631-86-9)

#### Acute

*Oral*

LD50

Mouse

> 15000 mg/kg

Rat

> 22500 mg/kg

### Skin sensitizer

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.

### Toxic to reproduction

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

No data available.

### Specific target organ toxicity - repeated exposure

No data available

### Other 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.

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## 12. Ecological information

### Ecotoxicological data

Product	Species	Test Results
92298A-X		
Fish	LL50 Fish	> 1000 mg/l, 96 Hours
<b>Ecotoxicity</b>	LL50: > 1000 mg/l, Fish, 96.00 Hours	
<b>Mobility in soil</b>	No data available.	
<b>Other hazardous effects</b>	This product has not been tested for ecological effects.	

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## 13. Disposal considerations

<b>Contaminated packaging</b>	No special precautions.
<b>Local disposal regulations</b>	Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> .

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## 14. Transport information

### International regulations

#### IATA

##### Basic shipping requirements:

<b>UN number</b>	UN2807
<b>Proper shipping name</b>	Magentized Material
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Not regulated.

#### IMDG

Not regulated as dangerous goods.

#### ADR

Not regulated as dangerous goods.

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## 15. Regulatory information

### Industrial Safety and Health Act

#### Specified substances regulation

##### Class 1 designated chemical substances

Not regulated.

##### Class 2 designated chemical substances

Not regulated.

##### Class 3 designated chemical substances

Not regulated.

#### Organic solvent regulation

##### Class 1 organic solvents

Not regulated.

##### Class 2 organic solvents

Not regulated.

##### Class 3 organic solvents

Not regulated.

#### Notifiable substances

Not regulated.

#### Labeling substances

Not regulated.

### Poisonous and Deleterious Substances Control Act

#### Specified poisonous substances

Not regulated.

#### Poisonous substances

Not regulated.

**Deleterious substances**

Not regulated.

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.****Class I specified chemical substances**

Not regulated.

**Class II specified chemical substances**

Not regulated.

**Monitoring chemical substances**

Not regulated.

**Priority Assessment Chemical Substances (PACs)**

Not regulated.

**Reporting Exempted Substances**

SILICON DIOXIDE

Triiron tetraoxide

**Law concerning Pollutant Release and Transfer Register****Specified class 1 substances (substance name, ordinance number and content)**

Not regulated.

**Class 1 substances (substance name, ordinance number and content)**

Not regulated.

**Class 2 substances (substance name, ordinance number and content)**

Not regulated.

**Fire Service Act**

Not regulated.

**Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule**

Not regulated.

**Air Law, Enforcement Rule**

Not regulated.

**Explosives Control Act**

Not regulated.

**High Pressure Gas Safety Act**

Not regulated.

**Act on Prevention of Marine Pollution and Maritime Disaster**

MICROSILICA SLURY

Category: Other Substances

**Waste Management and Public Cleansing Act**

Not regulated.

**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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

**16. Other information**

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.

**Version number**

01

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

Product and Company Identification: Physical States  
 Chemical product and company identification: Intended use  
 Hazards identification: Other hazards  
 Composition / Information on Ingredients: Ingredients  
 Exposure controls/personal protection: Additional exposure data  
 Physical & Chemical Properties: Physical & Chemical Properties  
 Physical and chemical properties: <INDENT>Color  
 Toxicological information: Other information  
 Ecological Information: Ecotoxicity  
 Ecological information: Ecotoxicity  
 Disposal considerations: Local disposal regulations  
 Transport Information: Agency Name and Packaging Type/Transport Mode Selection

**Issue date**

27-Sep-2013

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**Explanation of abbreviations**

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