



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Identification of the substance/preparation</b>	HP LaserJet 92298A-X Print Cartridge
<b>Use of the preparation</b>	This product is a toner preparation that is used in HP LaserJet 4/4 Plus/4M/4M Plus/5/5M series printers.
<b>Revision Date</b>	30-Apr-2008
<b>Company identification</b>	Hewlett-Packard, Ltd. Cain Road, Amen Corner Bracknell, Berkshire, RG12 1HN
<b>Emergency telephone number</b>	
<b>Poison Information Center</b>	0207771 5307
<b>Hewlett-Packard health effects line</b>	
<b>(Toll-free within the US)</b>	1-800-457-4209
<b>(Direct)</b>	1-503-494-7199
<b>General information telephone number</b>	
	1 344 36-0000
<b>(Toll-free within the US)</b>	1-800-474-6836
<b>(Direct)</b>	1-208-323-2551
<b>Email</b>	hpcustomerinquiries@hp.com

## 2. HAZARDS IDENTIFICATION

### Acute health effects

<b>Skin contact</b>	Unlikely to cause skin irritation.
<b>Eye contact</b>	May cause transient slight irritation.
<b>Inhalation</b>	Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.
<b>Ingestion</b>	Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.

### Potential health effects

<b>Routes of exposure</b>	Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation  Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.
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<b>Chronic health effects</b>	Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.
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<b>Carcinogenicity</b>	None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
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<b>Physical hazards</b>	Not classified as a physical hazard.
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<b>Health hazards</b>	Not classified as a health hazard.
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<b>Environmental hazards</b>	Not classified as an environmental hazard.
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<b>Other information</b>	This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended.
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	EU number	EU classification
Styrene acrylate copolymer	Trade Secret	45 - 55		
Iron oxide	1317-61-9	45 - 55	215-277-5	



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## 4. FIRST AID MEASURES

<b>Inhalation</b>	Move person to fresh air immediately. If irritation persists, consult a physician.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

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## 5. FIRE-FIGHTING MEASURES

<b>Flash point and method</b>	not applicable
<b>Fire fighting equipment/instructions</b>	If fire occurs in the printer, treat as an electrical fire.
<b>Suitable extinguishing media</b>	CO <sub>2</sub> , water, or dry chemical
<b>Extinguishing media which must not be used for safety reasons</b>	None known.
<b>Unusual fire &amp; explosion hazards</b>	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.
<b>Specific methods</b>	None established.

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</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.

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## 7. HANDLING AND STORAGE

<b>Handling</b>	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.
<b>Storage</b>	Keep out of the reach of children. Keep tightly closed and dry. Store away from strong oxidizers. Store at room temperature.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<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)  UK WEL: 10 mg/m <sup>3</sup> (Respirable Dust), 5 mg/m <sup>3</sup> (Inhalable Dust)
<b>Personal protective equipment</b>	
<b>General</b>	No personal respiratory protective equipment required under normal conditions of use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Fine powder
<b>Physical state</b>	Not available



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<b>Form</b>	solid
<b>Colour</b>	Black
<b>Odour</b>	Slight plastic odor
<b>Odour threshold</b>	Not available
<b>pH</b>	not applicable
<b>Boiling point</b>	not applicable
<b>Flash point</b>	not applicable
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not flammable
<b>Vapour pressure</b>	not applicable
<b>Relative density</b>	Not available
<b>Solubility in water</b>	Negligible in water. Partially soluble in toluene and xylene.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Viscosity</b>	not applicable
<b>Vapour density</b>	not applicable
<b>Evaporation rate</b>	Not available
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not available
<b>Auto-ignition temperature</b>	not applicable
<b>Specific gravity</b>	1.5 - 1.8 (H <sub>2</sub> O = 1)
<b>Softening point</b>	100 - 150 °C (212 - 302 °F)

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## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal storage conditions.
<b>Conditions to avoid</b>	Imaging Drum: Exposure to light
<b>Materials to avoid</b>	Not available
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.
<b>Hazardous polymerisation</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

<b>Eye irritation</b>	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
<b>Chronic toxicity</b>	No information available.
<b>Sensitisation</b>	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).



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<b>Carcinogenicity</b>	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).
<b>Mutagenicity</b>	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
<b>Reproductivity</b>	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).
<b>Further information</b>	Complete toxicity data are not available for this specific formulation. Refer to Section 3 for potential health effects and Section 4 for first aide measures.

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	96.00 Hours, LL50 > 1000 mg/l, rainbow trout
<b>Other adverse effects</b>	This product has not been tested for ecological effects.

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## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</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> .
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. TRANSPORT INFORMATION

### ADR

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

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

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## 15. REGULATORY INFORMATION

<b>International regulations</b>	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.
<b>Labelling</b>	
<b>Contains</b>	Iron oxide, Styrene acrylate copolymer

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## 16. OTHER INFORMATION

<b>Manufacturer information</b>	Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA
<b>Other information</b>	This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.



# SAFETY DATA SHEET

**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.

**Issue date**

30-Apr-2008

**Revised sections**

3. Hazards identification: Other information  
7. Handling and storage: Storage  
12. Ecological information: Ecotoxicity effects  
15. Regulatory information: US federal regulations

**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