



# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Identification of the preparation** HP Color LaserJet C8560A Imaging Drum Cartridge

**Use of the preparation** This product is an imaging drum that is used in HP Color LaserJet 9500/9500mfp series printers.

**Manufacturer information** Hewlett-Packard Company  
11311 Chinden Boulevard  
Boise, ID 83714 USA

**Hewlett-Packard health effects line**

**(Toll-free within the US)** 1-800-457-4209  
**(Direct)** 1-503-494-7199

**General information telephone number**

**HP Customer Care Line** 1-800-474-6836  
**(Toll-free)** 1-800-474-6836  
**(Direct)** 1-208-323-2551

**Date prepared** Mar 02, 2007

**MSDS number** 220392

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight
Aluminum alloy	Trade Secret	95 - 98
Polyester resin	Trade Secret	0.2 - 1
Titanium dioxide	13463-67-7	0.2 - 1
Aryl amine derivative		0.2 - 1

## 3. HAZARDS IDENTIFICATION

**Acute health effects**

**Skin contact** Unlikely to cause skin irritation.

**Eye contact** Unlikely to cause irritation under normal use conditions.

**Inhalation** Unlikely to cause irritation under normal use conditions.

**Ingestion** Unlikely to cause irritation under normal use conditions.

**Potential health effects**

**Routes of exposure** Skin contact

**Chronic health effects** None known.

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

**Other information** This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, and as amended.

## 4. FIRST AID MEASURES

**First aid procedures**

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

**Eye** Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists, consult a physician.

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



# MATERIAL SAFETY DATA SHEET

**Ingestion**

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>Auto ignition temperature</b>	Not applicable
<b>Hazardous combustion products</b>	Combustion will produce carbon dioxide, carbon monoxide, and nitrogen oxides.
<b>Extinguishing media</b>	Dry chemical, carbon dioxide.
<b>Unsuitable extinguishing media</b>	water or foam
<b>Unusual fire and explosion hazard</b>	None known.
<b>Fire fighting equipment/instructions</b>	If fire occurs in the printer, treat as an electrical fire.
<b>Special firefighting procedures</b>	None established.

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Not applicable
<b>Environmental precautions</b>	See also section 13 Disposal considerations.
<b>Procedures if material is released or spilled</b>	Not applicable

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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. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.
<b>Storage</b>	Keep out of the reach of children. Store at room temperature in the original container. Keep the container tightly closed and dry. Store away from strong oxidizers.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure limit values</b>	None established.	
OSHA - Final PELs - Time Weighted Averages (TWAs)		
Titanium dioxide	13463-67-7	15 mg/m <sup>3</sup> TWA (total dust)
ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)		
Titanium dioxide	13463-67-7	10 mg/m <sup>3</sup> TWA
<b>Personal protective equipment</b>		
<b>General</b>	No personal respiratory protective equipment required under normal conditions of use.	
<b>Exposure guidelines</b>	Use in a well ventilated area.	

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## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>pH</b>	Not applicable
<b>Vapor pressure</b>	Not applicable
<b>Boiling point</b>	Not applicable
<b>Melting point</b>	> 100 °C (> 212.0 °F)
<b>Specific gravity</b>	No information available
<b>Flash point</b>	Not applicable
<b>Viscosity</b>	Not applicable



# MATERIAL SAFETY DATA SHEET

Vapor density	Not applicable
Evaporation rate	Not applicable
Flammability	Not flammable
Appearance	Viridian aluminum cylinder
Form	solid
Odor	Odorless
Oxidizing properties	No information available.
Color	Greenish blue

## 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability	Stable under normal storage conditions.
Conditions to avoid	Imaging Drum: Exposure to light
Hazardous polymerization	Will not occur.
Hazardous decomposition products	No decomposition if stored normally.
Incompatibility	Strong oxidizers

## 11. TOXICOLOGICAL INFORMATION

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

Dermal irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Sensitization	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
Chronic toxicity	No information available.
Oral toxicity	LD50/oral/rat >2000 mg/kg , (OECD 401), Not harmful.
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).
Mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
Reproductive toxicity	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).

### Symptoms and target organs

NIOSH - Pocket Guide - Target Organs

Titanium dioxide 13463-67-7 respiratory system (in animals: lung tumors)

## 12. ECOLOGICAL INFORMATION

Other information	This product has not been tested for ecological effects.
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# MATERIAL SAFETY DATA SHEET

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## 13. DISPOSAL CONSIDERATIONS

### Disposal instructions

Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.

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

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## 14. TRANSPORTATION INFORMATION

### General

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

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## 15. REGULATORY INFORMATION

### International regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

### US federal regulations

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

US TSCA 12(b): Does not contain listed chemicals.

### HMIS ratings

Health: 1  
Flammability: 1  
Physical hazard: 0

### NFPA ratings

Health: 1  
Flammability: 1  
Instability: 0

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Section 302 extremely hazardous substance

No

#### Section 311 hazardous chemical

No

#### Hazard categories

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

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## 16. OTHER INFORMATION

### Other information

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

### Issue date

Mar 2 2007 11:00AM

### Revision

4

### Replaces sheet dated

Mar 2 2007 7:21AM

### 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.



# MATERIAL SAFETY DATA SHEET

## 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