



# Safety Data Sheet

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

<b>Identification of the substance/preparation</b>	HP Color LaserJet C4153A Imaging Drum Cartridge
<b>Use of the preparation</b>	This product is an imaging drum that is used in HP Color LaserJet 8500/8550/8550mfp series printers.
<b>Revision date</b>	27-Apr-2009
<b>Company identification</b>	Hewlett-Packard, Ltd. Cain Road, Amen Corner Bracknell, Berkshire, RG12 1HN Telephone 1 344 36-0000  Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomerinquiries@hp.com Poison Information Center 0207771 5307

## 2. HAZARDS IDENTIFICATION

<b>Acute health effects</b>	
<b>Skin contact</b>	Unlikely to cause skin irritation.
<b>Eye contact</b>	Unlikely to cause irritation under normal use conditions.
<b>Inhalation</b>	Unlikely to cause irritation under normal use conditions.
<b>Ingestion</b>	Unlikely to cause irritation under normal use conditions.
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Skin contact
<b>Chronic health effects</b>	None known.
<b>Carcinogenicity</b>	None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.
<b>Physical hazards</b>	Not classified as a physical hazard.
<b>Health hazards</b>	Not classified as a health hazard.
<b>Environmental hazards</b>	Not classified as an environmental hazard.
<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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	EU number	EU classification
Aluminum alloy	Trade secret	< 98		
Binder resin	Trade secret	< 2		
Titanium dioxide	13463-67-7	< 2	236-675-5	
Organic semiconductor	Trade secret	< 0.8		

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Not applicable.
<b>Skin contact</b>	In case of irritation, wash with soap and water.
<b>Eye contact</b>	Not applicable.
<b>Ingestion</b>	Not applicable.



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## 5. FIRE-FIGHTING MEASURES

Flash point and method	Not applicable
Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Suitable extinguishing media	CO2, water, dry chemical, or foam
Unusual fire & explosion hazards	None known.
Hazardous combustion products	Carbon monoxide and carbon dioxide.
Specific methods	None established.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Not applicable.
Environmental precautions	See also section 13 Disposal considerations.

## 7. HANDLING AND STORAGE

Handling	Keep out of the reach of children. Keep container closed and store at room temperature. Keep away from strong oxidizers. Keep away from excessive heat, sparks, and open flames.
Storage	Keep out of the reach of children. Store at room temperature. Keep at temperatures below 45°C. Store away from strong oxidizers. Keep tightly closed and dry.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### Belgium

Components	Type	Value
Titanium dioxide (13463-67-7)	TWA	10 mg/m3

#### Denmark

Components	Type	Value
Titanium dioxide (13463-67-7)	TLV	6 mg/m3

#### France

Components	Type	Value
Titanium dioxide (13463-67-7)	VME	10 mg/m3

#### Germany

Components	Type	Value	Form
Titanium dioxide (13463-67-7)	AGW	3 mg/m3	Respirable dust.
		10 mg/m3	Inhalable dust.

#### Italy

Components	Type	Value
Titanium dioxide (13463-67-7)	TWA	10 mg/m3

#### Netherlands

Components	Type	Value
Titanium dioxide (13463-67-7)	Ceiling	10 mg/m3



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## Spain

Components	Type	Value
Titanium dioxide (13463-67-7)	TWA	10 mg/m3

## Sweden

Components	Type	Value	Form
Titanium dioxide (13463-67-7)	TWA	5 mg/m3	Total dust.

## Switzerland

Components	Type	Value	Form
Titanium dioxide (13463-67-7)	TWA	3 mg/m3	Respirable dust.

**Additional exposure data** None established.

### Personal protective equipment

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Viridian aluminum cylinder
<b>Physical state</b>	Not available.
<b>Form</b>	solid
<b>Color</b>	Greenish blue
<b>Odor</b>	Odorless
<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>Vapor pressure</b>	Not applicable
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Negligible
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Viscosity</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Melting point</b>	> 100 °C (> 212 °F)
<b>Freezing point</b>	Not available.
<b>Auto-ignition temperature</b>	Not applicable

## 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>	Strong oxidizers



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**Hazardous decomposition products** No decomposition if stored normally.  
**Hazardous polymerization** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

**Eye irritation** Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.  
**Chronic toxicity** No information available.  
**Sensitization** Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).  
**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)  
**Reproductivity** Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).  
**Further information** 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

**Other adverse effects** This product has not been tested for ecological effects.

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## 13. DISPOSAL CONSIDERATIONS

**Disposal instructions** Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.  
  
HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit <http://www.hp.com/recycle>.

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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

**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.

### Labeling

#### Contains

Aluminum alloy, Binder resin, Organic semiconductor, Titanium dioxide

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## 16. OTHER INFORMATION

**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



# Safety Data Sheet

**Other information**

This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.

**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**

27-Apr-2009

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

FIRE-FIGHTING MEASURES: Suitable extinguishing media  
FIRE-FIGHTING MEASURES: Extinguishing media which must not be used for safety reasons

**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