



Safety Data Sheet

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

Identification of the substance/preparation HP Color LaserJet C4195A Imaging Drum Cartridge

Use of the preparation This product is an imaging drum that is used in HP Color LaserJet 4500/4550 series printers.

Revision date 27-Apr-2009

Company identification 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

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.

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 information 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

Inhalation Not applicable.

Skin contact In case of irritation, wash with soap and water.

Eye contact Not applicable.

Ingestion Not applicable.

5. FIRE-FIGHTING MEASURES

Flash point and method Not applicable



Safety Data Sheet

Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Suitable extinguishing media	CO ₂ , 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. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation. 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/m ³

Denmark

Components	Type	Value
Titanium dioxide (13463-67-7)	TLV	6 mg/m ³

France

Components	Type	Value
Titanium dioxide (13463-67-7)	VME	10 mg/m ³

Germany

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

Italy

Components	Type	Value
Titanium dioxide (13463-67-7)	TWA	10 mg/m ³

Netherlands

Components	Type	Value
Titanium dioxide (13463-67-7)	Ceiling	10 mg/m ³



Safety Data Sheet

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

Appearance	Viridian aluminum cylinder
Physical state	Not available.
Form	solid
Color	Greenish blue
Odor	Odorless
Odour threshold	Not available.
pH	Not applicable
Boiling point	Not applicable
Flash point	Not applicable
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not flammable
Vapor pressure	Not applicable
Relative density	Not available.
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Viscosity	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Melting point	> 100 °C (> 212 °F)
Freezing point	Not available.
Auto-ignition temperature	Not applicable
Specific gravity	No information available

10. STABILITY AND REACTIVITY

Stability	Stable under normal storage conditions.
Conditions to avoid	Imaging Drum: Exposure to light



Safety Data Sheet

Materials to avoid	Strong oxidizers
Hazardous decomposition products	No decomposition if stored normally.
Hazardous polymerization	Will not occur.

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 aid measures.

12. ECOLOGICAL INFORMATION

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

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.

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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.
Labeling	
Contains	Aluminum alloy, Binder resin, Organic semiconductor, Titanium dioxide

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

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