



MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

Material name HP Color LaserJet CB384A Imaging Drum Cartridge

Use of the preparation This product is an imaging drum that is used in HP Color LaserJet CP6000 and CM6000 MFP series printers.

Version # 04

Revision date 12-Apr-2008

Manufacturer information Hewlett-Packard Company
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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

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MSDS number 267870

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.

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
Trade Secret	Trade Secret	94 - 99
Polyester resin	Trade Secret	0.2 - 1
Aryl amine derivative	Trade Secret	0.2 - 1
Titanium dioxide	13463-67-7	0.2 - 1

4. First Aid Measures

First aid procedures

Eye contact Not applicable



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Skin contact In case of irritation, wash with soap and water.
Inhalation Not applicable
Ingestion Not applicable

5. Fire Fighting Measures

Flash point and method Not applicable
Hazardous combustion products Carbon monoxide and carbon dioxide.
Flammable properties None known.
Extinguishing media
Suitable extinguishing media Dry chemical, carbon dioxide.
Unsuitable extinguishing media water or foam
Unusual fire and explosion hazard None known.
Protection of firefighters
Protective equipment and precautions for firefighters If fire occurs in the printer, treat as an electrical fire.
Special firefighting procedures None established.

6. Accidental Release Measures

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

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 in the original container. Keep at temperatures below 45°C. Keep the container tightly closed and dry. Store away from strong oxidizers.

8. Exposure Controls/Personal Protection

Exposure limits

ACGIH

Components	CAS #	TWA	STEL	Ceiling
Titanium dioxide	13463-67-7	10 mg/m ³	Not established	Not established

OSHA

Components	CAS #	TWA	STEL	Ceiling
Titanium dioxide	13463-67-7	15 mg/m ³	Not established	Not established



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Exposure guidelines None established.

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)
Titanium dioxide 13463-67-7 10 mg/m3 TWA

U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Titanium dioxide 13463-67-7 15 mg/m3 TWA (total dust)

Personal protective equipment

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

9. Physical & Chemical Properties

Appearance Viridian aluminum cylinder

Color Greenish blue

Odor Odorless

Odor threshold Not available

Physical state Not available

Form solid

pH Not applicable

Melting point > 212 °F (> 100 °C)

Freezing point Not available

Boiling point Not applicable

Flash point Not applicable

Evaporation rate 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

Vapor density Not applicable

Specific gravity No information available

Relative density Not available

Solubility in water Negligible

Partition coefficient (n-octanol/water) Not available

Auto-ignition temperature Not applicable

Decomposition temperature Not available

Viscosity Not applicable

10. Chemical Stability & Reactivity Information

Chemical stability Stable under normal storage conditions.

Conditions to avoid Imaging Drum: Exposure to light

Incompatible materials Strong oxidizers



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Hazardous decomposition products No decomposition if stored normally.

Possibility of hazardous reactions 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.

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.

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

Persistence and degradability Not available

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. Transportation Information

Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

15. Regulatory Information

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

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

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



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Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

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.

State regulations

U.S. - Pennsylvania - RTK (Right to Know) List
Titanium dioxide 13463-67-7 Present

U.S. - New Jersey - Right to Know Hazardous Substance List
Titanium dioxide 13463-67-7 sn 1861

16. Other Information

HMIS® ratings Health: 1
Flammability: 1
Physical hazard: 0

NFPA ratings Health: 1
Flammability: 1
Instability: 0

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Revision 4

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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