



SAFETY DATA SHEET

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

Identification of the substance/preparation	HP Color LaserJet Q3964A Imaging Drum Cartridge
Use of the preparation	This product is an imaging drum that is used in HP Color LaserJet 2550/2820/2840 series printers.
Company identification	Hewlett-Packard Portugal, S.A. Edifício D. Sancho I Quinta da Fonte 2780- 730 Paco de Arcos Quinta da Fonte
Emergency telephone number	
Poison Information Centre telephone number	021 330 3284
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	
(Toll-free within the US)	1-800-474-6836
(Direct)	1-208-323-2551
Email	hpcustomerinquiries@hp.com

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	95 - 98		
polyester	Trade Secret	0.2 - 1		
Aryl amine derivative		0.2 - 1		
Titanium dioxide	13463-67-7	0.2 - 1	236-675-5	



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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
Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Suitable extinguishing media	Dry chemical, carbon dioxide.
Extinguishing media which must not be used for safety reasons	water or foam
Unusual fire & explosion hazards	None known.
Hazardous combustion products	Combustion will produce carbon dioxide, carbon monoxide, and nitrogen oxides.
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

Exposure limits

Portugal

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

ACGIH

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

Additional exposure data None established.

Personal protective equipment

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



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viridian aluminum cylinder
Physical state	Not available
Form	solid
Colour	Greenish blue
Odour	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
Vapour pressure	not applicable
Relative density	Not available
Solubility in water	Negligible. Partially soluble in ketones, esters, and aromatic solvents.
Partition coefficient (n-octanol/water)	Not available
Viscosity	not applicable
Vapour 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
Materials to avoid	Not available
Hazardous decomposition products	No decomposition if stored normally.
Hazardous polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

Oral toxicity	LD50/oral/rat >2000mg/kg, (OECD 401), Not harmful.
	Not classified for Acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.



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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.
Sensitisation	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.

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 .
Waste from residues / unused products	Not available
Contaminated packaging	Not available

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.
Labelling	
Contains	Aluminum alloy, Aryl amine derivative, polyester, Titanium dioxide

16. OTHER INFORMATION

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

15-Jun-2008

Revised sections

3. Hazards identification: Other information
7. Handling and storage: Storage

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