



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of the preparation HP Color LaserJet C9704A Imaging Drum Cartridge

Product use This product is an imaging drum that is used in HP Color LaserJet 1500/2500 series printers.

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Company identification Hewlett-Packard (Canada) Co.
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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

Components	CAS #	Percent
Aluminum alloy	Trade Secret	95 - 98
Aryl amine derivative	Trade secret	0.2 - 1
polyester	Trade Secret	0.2 - 1
Titanium dioxide	13463-67-7	0.2 - 1

4. FIRST AID MEASURES

First aid procedures

Eye contact Not applicable.

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

Inhalation Not applicable.

Ingestion Not applicable.

5. FIRE-FIGHTING MEASURES

Flash point Not applicable

Flammable properties	None known.
Extinguishing media	
Suitable extinguishing media	CO2, water, dry chemical, or foam
Specific methods	None established.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.
Hazardous combustion products	Combustion will produce carbon dioxide, carbon monoxide, and nitrogen oxides.

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. 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

Canada - British Columbia

Components	Type	Value	Form
Titanium dioxide (13463-67-7)	TWA	10.0000 mg/m3 3.0000 mg/m3	Total dust. Respirable fraction.

Canada - Ontario

Components	Type	Value
Titanium dioxide (13463-67-7)	TWA	10.0000 mg/m3

Canada - Quebec

Components	Type	Value	Form
Titanium dioxide (13463-67-7)	TWA	10.0000 mg/m3	Total dust.

Exposure guidelines	None established.
Engineering controls	Use in a well ventilated area.
Personal protective equipment	
General	No personal respiratory protective equipment required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viridian aluminum cylinder
Colour	Not available.
Odour	Odorless
Odour threshold	Not available.
Physical state	Liquid
Form	solid
pH	Not applicable
Melting point	100 °C (212 °F)
Freezing point	Not available.

Boiling point	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not flammable
Vapour pressure	Not applicable
Vapour density	Not available.
Specific gravity	No information available
Relative density	Not available.
Solubility (water)	Negligible. Partially soluble in ketones, esters, and aromatic solvents.
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available.
Viscosity	Not applicable
VOC	Not available.

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability	Stable under normal storage conditions.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	No decomposition if stored normally.
Possibility of hazardous reactions	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.
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).
Serious eye damage/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).
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 2 for potential health effects and Section 4 for first aide measures.

12. ECOLOGICAL INFORMATION

Persistence and degradability	Not available.
Partition coefficient (n-octanol/water)	Not available
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

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. REGULATORY INFORMATION

Regulatory information 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.

WHMIS status Non-controlled

16. OTHER INFORMATION

Other information This MSDS was prepared in accordance with Canada Controlled Product Regulations.

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

NFPA ratings Health: 1
Flammability: 1
Instability: 0

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This data sheet contains changes from the previous version in section(s): 5. FIRE-FIGHTING MEASURES: Suitable extinguishing media
5. FIRE-FIGHTING MEASURES: Unsuitable extinguishing media
11. TOXICOLOGICAL INFORMATION: Further information
14. TRANSPORT INFORMATION: Further information

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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: <value>	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds