



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Material name HP C3104A Magenta Toner

Product use This product is a magenta toner preparation that is used in HP Color LaserJet/Color LaserJet 5/5M series printers.

Manufacturer 7 Goban-cho
Chiyoda-ku
Tokyo 102-0076
Japan

Emergency telephone number

Poison Information Centre telephone number 0120-50-3024

Hewlett-Packard health effects line

(Toll-free within the US) 1-800-457-4209

(Direct) 1-503-494-7199

General information telephone number

Telephone (+81) 3 5463-6600

HP Customer Care Line

(Toll-free within the US) 1-800-474-6836

(Direct) 1-208-323-2551

2. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation	CAS number	% by weight	EU classification
polyester	Trade Secret	75 - 95	
Pigment	Trade Secret	7 - 12	
Wax-1	Trade Secret	< 5	
Wax-3	Trade Secret	< 5	
Titanium dioxide	13463-67-7	< 1	
Amorphous silica	7631-86-9	< 1	

3. HAZARDS IDENTIFICATION

Health hazards Not classified as a health hazard.

Environmental hazards Not classified as an environmental hazard.

Physical hazards Not classified as a physical hazard.

Acute health effects

Skin contact Unlikely to cause skin irritation.

Eye contact May cause transient slight irritation.

Inhalation Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.

Ingestion Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.

Potential health effects

Routes of exposure Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation

Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.

Chronic health effects Prolonged inhalation of excessive amounts of any dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust.



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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.

4. FIRST AID MEASURES

Inhalation	Move person to fresh air immediately. If irritation persists, consult a physician.
Skin	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists, consult a physician.
Ingestion	Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	CO ₂ , water, or dry chemical
Extinguishing media which must not be used for safety reasons	None known.
Specific methods	None established.
Flash point and method	not applicable
Fire fighting equipment/instructions	If fire occurs in the printer, treat as an electrical fire.
Unusual fire & explosion hazards	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
Hazardous combustion products	Carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Minimize dust generation and accumulation.
Environmental precautions	Do not flush into surface water or sanitary sewer system. 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 in the original container. 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



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Personal protective equipment

General

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

Additional exposure data

USA OSHA (TWA/PEL): mg/m³ (Total Dust), 5 mg/m³ (Respirable Fraction)

ACGIH (TWA/TLV): mg/m³ (Inhalable Particulate), 3 mg/m³ (Respirable Particulate)

Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m³)/%SiO₂, ACGIH (TWA/TLV): 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fine powder
Physical state	Not available
Form	solid
Colour	Magenta
Odour	Slight plastic odor
Odour threshold	Not available
pH	not applicable
Boiling point	not applicable
Flash point	not applicable
Auto-ignition temperature	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 applicable
Relative density	Not available
Solubility in water	Negligible in water.
Partition coefficient (n-octanol/water)	Not available
Melting point	Not available
Freezing point	Not available
Evaporation rate	Not available
Flammability	Not available.
Specific gravity	1.1 (H ₂ O = 1)
Softening point	140 °C (284 °F)
Viscosity	not applicable

10. STABILITY AND REACTIVITY

Stability	Stable under normal storage conditions.
Incompatibility	Strong oxidizers
Materials to avoid	Not available



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Hazardous decomposition products

Hazardous polymerisation Will not occur.

11. TOXICOLOGICAL INFORMATION

Sensitisation Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).

Chronic toxicity No information available.

Mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)

Carcinogenicity Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).

Reproductivity Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).

Inhalation toxicity LC50: inh/rat > 660 mg/l/4 hrs., (OECD 403).
Not classified for Acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.

Oral toxicity LD50/oral/rat >5000mg/kg, Not harmful. (OECD 401)
Not classified for Acute oral toxicity according to EU Directive 67/548/EEC and 1999/45/EC.

Eye irritation Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.

Component analysis - LD50 Amorphous silica: LD50:orl-rat: 3160 mg/kg, not harmful. Ames test negative.

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

Waste from residues / unused products Not available

Contaminated packaging Not available

Disposal instructions Dispose of in compliance with federal, state, and local regulations.

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.

16. OTHER INFORMATION

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

Other information This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

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Revised sections 3. Hazards identification: Other information

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