



Material Safety Data Sheet

1.0 Product and Company Identification

Identification of the preparation **HP Color LaserJet Yellow Toner C3103A**

Company Identification Hewlett-Packard Company
11311 Chinden Boulevard
Boise, Idaho 83714
United States

Emergency telephone number 1-800-457-4209 (USA and Canada)
Hewlett-Packard Health Effects Line Intl: +1-503-494-7199 (all other areas)
Singapore: +001-800-332-13321

General information telephone number 1-208-323-2551 (USA and Canada)
Intl: +1-208-323-2551 (all other areas)

Local Contact Information **Ireland**
Liffey Park Technology Park
Barnhall Road Leixlip, Co.
Kildare, Ireland
Phone: 01 6150000
United Kingdom
Hewlett-Packard, Ltd.
Cain Road, Amen Corner
Bracknell, Berkshire, RG12 1HN
Phone: 1344 36-0000

Hazard Rating	US NFPA/HMIS
Health	0
Flammability	1
Instability/Reactivity	0
Special	N/A

2.0 Composition/Information on Ingredients

This product is a toner preparation that is used in Hewlett-Packard Color LaserJet and Color LaserJet 5/5M series printers.

Component/Substance	CAS Number	EU Number	% by Weight	Risk Phrases
Polyester Resin	Trade Secret	-	-	-
Pigment	Trade Secret	-	-	-
Wax-1	Trade Secret	-	-	-
Wax-3	Trade Secret	-	-	-
Silica (Amorphous)	7631-86-9	231-545-4	<1	-
Titanium Dioxide	13463-67-7	236-675-5	<1	-



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3.0 Hazard Identification

This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, and as amended.

Routes of Exposure Inhalation, Ingestion, skin and eyes.

Acute Health Hazards

- Inhalation:** Minimal respiratory tract irritation may occur with exposure to large amount of toner dust.
- Ingestion:** Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.
- Skin:** Unlikely to cause skin irritation.
- Eyes:** May cause transient slight irritation.

Chronic Health Hazards 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.

Carcinogenicity None of the components in this material are listed by IARC, NTP, or ACGIH as a carcinogen. Refer also to section 11.

4.0 First Aid Measures

- Inhalation:** Move person to fresh air immediately. If symptoms occur, consult a physician.
- Ingestion:** Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.
- Skin:** Wash affected areas thoroughly with soap and water. If symptoms occur, consult a physician.
- Eyes:** Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes. If symptoms occur, consult a physician.

5.0 Fire Fighting Measures

- Extinguishing media** Water spray, dry chemical, or foam.
- Unsuitable Extinguishing Media** None known
- Special Firefighting Procedures** None
- Unusual fire and explosion hazards** Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
- Auto-ignition temperature** Not applicable
- Flashpoint (method)** Not applicable



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Hazardous Combustion Products Carbon monoxide, carbon dioxide, smoke

6.0 Accidental release measures

- Spill or leak procedures** Avoid breathing dust. Minimize the release of particles. Slowly sweep the material into a bag or other sealed container. Clean remainder with a damp cloth or vacuum cleaner. If a vacuum is used, the motor must be rated as dust explosion-proof. Fine powder can form explosive dust-air mixtures. Dispose of waste toner in accordance with local requirements.
- Environmental precautions** Do not discharge into drains (See also section 13 Disposal Considerations).

7.0 Handling and Storage

- Advise on safe handling and protection against fire** Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Keep away from excessive heat, sparks, and open flames.
- Requirements for storage rooms and advise on storage compatibility** Keep container closed and store at room temperature. Keep away from strong oxidizers.

8.0 Exposure control/ personal protection

Exposure Limit Values

Polyester Resin	None established
Pigment	None established
Wax-1	None established
Wax-3	None established
Silica (Amorphous)	USA OSHA PEL - 20 mppcf, 80(mg/m ³)/% SiO ₂ (TWA); ACGIH TLV - 10 mg/m ³ (TWA)
Titanium Dioxide	USA OSHA PEL - 20 mppcf, 80(mg/m ³)/% SiO ₂ (TWA); ACGIH TLV - 10 mg/m ³ (TWA)

Exposure Controls

Respiratory protection	Not needed
Ventilation	Good general ventilation should be sufficient under intended use
Protective gloves	Not needed
Eye protection	Not needed
Other protective equipment	Not needed



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9.0 Physical and chemical properties

pH	Not applicable
Boiling point	Not applicable
Flash point	Not applicable
Melting point	Approx. 140°C
Flammability	LFL 20 mg/m ³
Explosive properties	Toner material, like most organic material in powder form, is capable of creating a dust explosion.
Oxidizing properties	No data available
Vapor Pressure	Not applicable
Specific gravity (H₂O=1)	1.1
Solubility in water	Insoluble
Partition coefficient	Not applicable
Viscosity	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Physical state	Solid (powder)
Color	Yellow
Odor	Slight plastic odor
Other	None known

10.0 Stability and reactivity

Stability	The material is stable except at temperatures above 200 °C
Incompatibilities	Strong oxidizers
Hazardous decomposition products	Carbon monoxide, carbon dioxide, smoke.

11.0 Toxicological information

Refer to Section 3 for potential health effects and Section 4 for first aid measures

Acute oral toxicity:	LD ₅₀ >5000mg/kg (rats)
Inhalation:	LC ₅₀ >410mg/m ³ /4 hrs.(rats) This is the highest concentration attainable using aerosol generation apparatus.
Eye irritation:	Non-irritant (rabbit)
Skin irritation:	Non-irritant (rabbit)
Skin sensitization:	Non-sensitizing (guinea pig)
Carcinogenicity:	Not a known carcinogen
Mutagenicity:	Negative Ames test
Ingredients: Silica (Amorphous):	LD ₅₀ : 3160 mg/kg (rats)



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12.0 Ecological Information

No data available for ecological and wastewater treatment (sewage) systems. Avoid spills and dispose of in accordance with applicable laws and regulations.

13.0 Disposal considerations

Do not put toner into fire; heated toner may cause severe burns. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.

14.0 Transportation information

Not a regulated article under DOT, IATA, ADR, or RID

UN Number	None
Class	None
Proper Shipping Name	None
Packing Group	None
Special Precautions	None

15.0 Regulatory information

US EPA TSCA Inventory	All chemical substances in this product comply with all rules or orders under TSCA.
US EPA TSCA 12(b)	None
US California Proposition 65	None
EU Notification	All components in this product are compliant with EU Chemical Inventory regulations.
EU R&S Phrase Information	No European Risk Phrases (labeling data)
Dangerous Components (CAS No.) wt%	None
USA Labeling	
Symbol	Not required
Hazard Warning	Not required
Safety Advice	Not required
Hazardous Component(s)	None

16.0 Other information

Date Prepared:	July 1, 2004
HP-DMS Document Control	
Number:	
Revision Information:	This document replaces all prior versions of the MSDS
EU Information	This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC and USA OSHA Hazard Communications regulations (29CFR1910:1200).



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