



# SAFETY DATA SHEET

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

**Identification of the substance/preparation** HP C3103A Yellow Toner

**Use of the preparation** This product is a yellow toner preparation that is used in HP Color LaserJet/Color LaserJet 5/5M series printers.

**Revision date** 01-14-2009

**Company identification** Hewlett-Packard, Ltd.  
Cain Road, Amen Corner  
Bracknell, Berkshire, RG12 1HN  
Telephone 1 344 36-0000

Hewlett-Packard health effects line  
(Toll-free within the US) 1-800-457-4209  
(Direct) 1-503-494-7199  
HP Customer Care Line  
(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
Poison Information Center 0207771 5307

## 2. HAZARDS IDENTIFICATION

**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, 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.

**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
polyester	Trade secret	< 95		
Pigment	Trade secret	< 12		
Wax-1	Trade secret	< 5		
Wax-3	Trade secret	< 5		
Amorphous silica	7631-86-9	< 1	231-545-4	
Titanium dioxide	13463-67-7	< 1	236-675-5	

## 4. FIRST AID MEASURES

**Inhalation** Move person to fresh air immediately. If irritation persists, consult a physician.



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<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

## 5. FIRE-FIGHTING MEASURES

<b>Flash point and method</b>	Not applicable
<b>Fire fighting equipment/instructions</b>	If fire occurs in the printer, treat as an electrical fire.
<b>Suitable extinguishing media</b>	CO2, water, or dry chemical
<b>Extinguishing media which must not be used for safety reasons</b>	None known.
<b>Unusual fire &amp; explosion hazards</b>	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.
<b>Specific methods</b>	None established.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Minimize dust generation and accumulation.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

## 7. HANDLING AND STORAGE

<b>Handling</b>	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.
<b>Storage</b>	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

### Occupational exposure limits

#### Belgium

Components	Type	Value
Amorphous silica (7631-86-9)	TWA	10 mg/m3
Titanium dioxide (13463-67-7)	TWA	10 mg/m3

#### Denmark

Components	Type	Value
Titanium dioxide (13463-67-7)	TLV	6 mg/m3

#### France

Components	Type	Value
Titanium dioxide (13463-67-7)	VME	10 mg/m3

#### Germany

Components	Type	Value	Form
Amorphous silica (7631-86-9)	AGW	4 mg/m3	Inhalable fraction.
Titanium dioxide (13463-67-7)	AGW	3 mg/m3	Respirable dust.



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Components	Type	Value	Form
		10 mg/m3	Inhalable dust.

## Italy

Components	Type	Value
Titanium dioxide (13463-67-7)	TWA	10 mg/m3

## Netherlands

Components	Type	Value
Titanium dioxide (13463-67-7)	Ceiling	10 mg/m3

## Spain

Components	Type	Value
Amorphous silica (7631-86-9)	TWA	10 mg/m3
Titanium dioxide (13463-67-7)	TWA	10 mg/m3

## Sweden

Components	Type	Value	Form
Titanium dioxide (13463-67-7)	TWA	5 mg/m3	Total dust.

## Switzerland

Components	Type	Value	Form
Titanium dioxide (13463-67-7)	TWA	3 mg/m3	Respirable dust.

## United Kingdom

Components	Type	Value	Form
Amorphous silica (7631-86-9)	TWA	6 mg/m3 2.4 mg/m3	Inhalable dust. Respirable dust.
Titanium dioxide (13463-67-7)	TWA	10 mg/m3 4 mg/m3	Inhalable Respirable.

## Additional exposure data

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)

ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)

Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO<sub>2</sub>, ACGIH (TWA/TLV): 10 mg/m3

UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)

## Personal protective equipment

### General

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Fine powder
Physical state	Not available.
Form	solid
Color	Yellow
Odor	Slight plastic odor



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<b>Odour threshold</b>	Not available.
<b>pH</b>	Not applicable
<b>Boiling point</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not flammable
<b>Vapor pressure</b>	Not applicable
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Viscosity</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Evaporation rate</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Auto-ignition temperature</b>	Not applicable
<b>Specific gravity</b>	1.1 (H <sub>2</sub> O = 1)
<b>Softening point</b>	140 °C (284 °F)

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## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal storage conditions.
<b>Materials to avoid</b>	Strong oxidizers
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.
<b>Hazardous polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation toxicity</b>	LC50: inh/rat > 410 mg/l/4 hrs., (OECD 403).  Not classified for acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.
<b>Oral toxicity</b>	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.
<b>Eye irritation</b>	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
<b>Chronic toxicity</b>	No information available.
<b>Sensitization</b>	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
<b>Carcinogenicity</b>	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).

### IARC Monographs on Occupational Exposures to Chemical Agents: Evidence of carcinogenicity in humans

Amorphous silica (7631-86-9)  
Titanium dioxide (13463-67-7)

Inadequate data.  
Inadequate data.

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



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**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 aid measures.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** 90.00 Hours, LL50 > 1000 mg/l, rainbow trout

**Other adverse effects** This product has not been tested for ecological effects.

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## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORT INFORMATION

### ADR

Not regulated as dangerous goods.

### IMDG

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.

### Labeling

**Contains** Amorphous silica, Pigment, polyester, Titanium dioxide, Wax-1, Wax-3

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## 16. OTHER INFORMATION

**Manufacturer information** Hewlett-Packard Company  
11311 Chinden Boulevard  
Boise, ID 83714 USA  
(Direct) 1-503-494-7199  
(Toll-free within the US) 1-800-457-4209

**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** 01-14-2009

**This data sheet contains changes from the previous version in section(s):** TOXICOLOGICAL INFORMATION: Component analysis - LD50  
ECOLOGICAL INFORMATION: Ecotoxicity



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## Explanation of abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-term exposure limit
<b>TCLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds