



# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Identification of the preparation** HP C3967A Drum

**Use of the preparation** This product is an imaging drum that is used in HP Color LaserJet/Color LaserJet 5/5M series printers.

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

**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** 1-800-474-6836  
**(Toll-free)** 1-800-474-6836  
**(Direct)** 1-208-323-2551

**Date prepared** Mar 01, 2007

**MSDS number** 219377

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Component/substance | CAS number   | % by weight |
|---------------------|--------------|-------------|
| Aluminum alloy      | Trade Secret | 95 - 97     |
| OPC compound        | Trade Secret | < 1         |
| Organic pigment     | Trade Secret | < 1         |
| Polycarbonate       | Trade Secret | < 1         |

## 3. 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** Inhalation, Ingestion, Skin contact, and Eye contact

**Chronic health effects** No identified health effects.

**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, and as amended.

## 4. FIRST AID MEASURES

### First aid procedures

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

**Eye** Not applicable

**Inhalation** Not applicable

**Ingestion** Not applicable



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## 5. FIRE FIGHTING MEASURES

|                                      |  |
|--------------------------------------|--|
| Flash point and method               | Not applicable   |
| Auto ignition temperature            | Not applicable   |
| Hazardous combustion products        | Silicon dioxide, carbon dioxide, carbon monoxide, nitrogen oxides. |
| Extinguishing media                  | CO <sub>2</sub> , water, or dry chemical                           |
| Unsuitable extinguishing media       | None known.  |
| Unusual fire and explosion hazard    | None known.  |
| Fire fighting equipment/instructions | If fire occurs in the printer, treat as an electrical fire.        |
| Special firefighting procedures      | None established.  |

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## 6. ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| Personal precautions                          | Not applicable                               |
| Environmental precautions                     | See also section 13 Disposal considerations. |
| Procedures if material is released or spilled | Not applicable                               |

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## 7. HANDLING AND STORAGE

|          |   |
|----------|---|
| Handling | Keep out of the reach of children.  |
| Storage  | Keep away from excessive heat, sparks, and open flames. Store away from strong oxidizers. |

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                               |   |
|-------------------------------|---|
| Personal protective equipment |   |
| General                       | No personal respiratory protective equipment required under normal conditions of use. |
| Exposure guidelines           | Use in a well ventilated area.  |

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## 9. PHYSICAL & CHEMICAL PROPERTIES

|                  |   |
|------------------|---|
| pH               | Not applicable  |
| Vapor pressure   | Not applicable  |
| Boiling point    | Not applicable  |
| Melting point    | Not applicable  |
| Softening point  | Not applicable  |
| Solubility       | Not applicable  |
| Specific gravity | 2.7 (Bulk density of unit), 1.2 (Coating).            |
| Flash point      | Not applicable  |
| Viscosity        | Not applicable  |
| Vapor density    | Not applicable  |
| Evaporation rate | Not applicable  |
| Flammability     | Not flammable   |
| Appearance       | Green or orange film applied directly to drum surface |
| Form             | solid   |



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|                      |                           |
|----------------------|---------------------------|
| Odor                 | Odorless                  |
| Oxidizing properties | No information available. |
| Color                | Green or orange           |

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## 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

|                                  |  |
|----------------------------------|--|
| Stability                        | Stable under normal storage conditions.                |
| Conditions to avoid              | Imaging Drum: Exposure to light                        |
| Hazardous polymerization         | Will not occur.  |
| Hazardous decomposition products | Silicon dioxide, carbon monoxide, and nitrogen oxides. |
| Incompatibility                  | strong acids and strong bases                          |

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## 11. TOXICOLOGICAL INFORMATION

|                       |   |
|-----------------------|---|
| Dermal irritation     | Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.                   |
| Eye irritation        | Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.                   |
| Sensitization         | Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).  |
| Chronic toxicity      | No information available.   |
| Oral toxicity         | LD50/oral/rat >5000 mg/kg , Not harmful. (OECD 401)   |
| 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)   |
| Reproductive toxicity | Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).                            |

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## 12. ECOLOGICAL INFORMATION

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|-------------------|--|
| Other information | 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.<br><br>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 <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> . |
|-----------------------|---|

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## 14. TRANSPORTATION INFORMATION

|         |   |
|---------|---|
| 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. |
| US federal regulations    | US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.   |



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|                     |                  |   |
|---------------------|------------------|---|
| <b>HMIS ratings</b> | Health:          | 0 |
|                     | Flammability:    | 1 |
|                     | Physical hazard: | 0 |
| <b>NFPA ratings</b> | Health:          | 0 |
|                     | Flammability:    | 1 |
|                     | Instability:     | 0 |

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

**Hazard categories**  
Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

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## 16. OTHER INFORMATION

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

**Issue date** Mar 1 2007 8:53AM

**Revision** 2

**Replaces sheet dated** Jan 22 2007 2:02PM

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**MSDS sections updated**  
1. Chemical Product and Company Identification: Use of the preparation  
3. Hazards Identification: Routes of exposure  
13. Disposal Considerations: Disposal instructions  
15. Regulatory Information: State regulations



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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  |