1. Identification

Product identifier: HP Color LaserJet Q3964A Imaging Drum Cartridge

Other means of identification: Not available.

Recommended use: This product is an imaging drum that is used in HP Color LaserJet 2550/2820/2840 series printers.

Recommended restrictions: None known.

Company identification: HP
1501 Page Mill Road
Palo Alto, CA 94304-1112
United States
Telephone 650-857-5020

HP health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
HP Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. Hazard(s) identification

Physical hazards: Not classified.

Health hazards: Carcinogenicity
Category 2

Environmental hazards: Not classified.

OSHA defined hazards: Not classified.

Label elements

- Hazard symbol: None.
- Signal word: None.
- Hazard statement: Not available.

Precautionary statement

- Prevention: Not available.
- Response: Not available.
- Storage: Not available.
- Disposal: Not available.

Hazard(s) not otherwise classified (HNOC): None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

Supplemental information: This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum alloy</td>
<td>Aluminum alloy</td>
<td>Trade Secret</td>
<td>95&lt;98</td>
</tr>
<tr>
<td>Aryl amine derivative</td>
<td>Aryl amine derivative</td>
<td>Trade secret</td>
<td>0.2&lt;1</td>
</tr>
<tr>
<td>Polyester resin</td>
<td>Polyester resin</td>
<td>Trade Secret</td>
<td>0.2&lt;1</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td></td>
<td>13463-67-7</td>
<td>0.2&lt;1</td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation: Not applicable.

Skin contact: In case of irritation, wash with soap and water.
Eye contact: Not applicable.
Ingestion: Not applicable.
Most important symptoms/effects, acute and delayed: Not available.

5. Fire-fighting measures

- Suitable extinguishing media: CO2, water, dry chemical, or foam
- Unsuitable extinguishing media: None known.
- Specific hazards arising from the chemical: Not applicable.
- Special protective equipment and precautions for firefighters: Not available.
- Fire-fighting equipment/instructions: If fire occurs in the printer, treat as an electrical fire.
- Specific methods: None established.

6. Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not applicable.
- Methods and materials for containment and cleaning up: Not available.
- Environmental precautions: See also section 13 Disposal considerations.

7. Handling and storage

- Precautions for safe 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.
- Conditions for safe storage, including any incompatibilities: 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
  - US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
    - Components: Titanium dioxide (CAS 13463-67-7)
      - Type: PEL
      - Value: 15 mg/m³
      - Form: Total dust.
  - US. ACGIH Threshold Limit Values
    - Components: Titanium dioxide (CAS 13463-67-7)
      - Type: TWA
      - Value: 10 mg/m³

- Biological limit values: No biological exposure limits noted for the ingredient(s).
- Exposure guidelines: None established.
- Appropriate engineering controls: Use in a well ventilated area.

- Individual protection measures, such as personal protective equipment
  - Eye/face protection: Not available.
  - Skin protection
    - Hand protection: Not available.
    - Other: Not available.
  - Respiratory protection: Not available.
  - Thermal hazards: Not available.
9. Physical and chemical properties

Appearance: Viridian aluminum cylinder

Physical state: Not available.

Color: Not available.

Odor: Odorless

Odor threshold: Not available.

pH: Not applicable

Melting point/freezing point: Not available.

Initial boiling point and boiling range: Not applicable

Flash point: Not applicable

Evaporation rate: Not applicable

Flammability (solid, gas): Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%): Not flammable

Flammability limit - upper (%): Not available.

Explosive limit - lower (%): Not available.

Explosive limit - upper (%): Not available.

Vapor pressure: Not applicable

Solubility(ies)


Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: Not applicable

Decomposition temperature: Not available.

Viscosity: Not applicable

Other information

Specific gravity: No information available

10. Stability and reactivity

Reactivity: Not available.

Chemical stability: Stable under normal storage conditions.

Possibility of hazardous reactions: Will not occur.

Conditions to avoid: Imaging Drum: Exposure to light

Incompatible materials: Strong oxidizers

Hazardous decomposition products: No decomposition if stored normally.

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics: Not available.

Information on toxicological effects

Acute toxicity: Not available.

Skin corrosion/irritation: Not available.

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.
12. Ecological information

Ecotoxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) &gt; 1000 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Mummichog (Fundulus heteroclitus) &gt; 1000 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability | Not available.
Bioaccumulative potential    | Not available.
Mobility in soil             | Not available.
Other adverse effects        | Not available.

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

US federal regulations

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

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance
- Not listed.

SARA 311/312 Hazardous chemical
- No

Other federal regulations
- Safe Drinking Water Act (SDWA)
  - Not regulated.

US state regulations
- US. Massachusetts RTK - Substance List
  - Not regulated.
- US. New Jersey Worker and Community Right-to-Know Act
  - Not listed.
- US. Pennsylvania Worker and Community Right-to-Know Law
  - Not listed.
- US. Rhode Island RTK
  - Not regulated.
- US. California Proposition 65
  - Not Listed.

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.

16. Other information, including date of preparation or last revision

Issue date
- 04-Sep-2015

Revision date
- 17-Sep-2015

Version #
- 02

Disclaimer
This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

Manufacturer information
HP
11311 Chinden Boulevard
Boise, ID 83714 USA
(Direct) 1-503-494-7199
(Toll-free within the US) 1-800-457-4209
Explanation of abbreviations

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