1. Product and Company Identification

Identification of the preparation
HP LaserJet CC364A-X-XC-XD Print Cartridge

Product use
This product is a toner preparation that is used in HP LaserJet P4014 / P4015 / P4515 series printers.

Version #
06

Revision date
03-Aug-2010

Company identification
Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304-1185
United States
Telephone 650-857-1501

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
Email: hpcustomer.inquiries@hp.com

2. Hazards Identification

Acute health effects

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>Unlikely to cause skin irritation.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>May cause transient slight irritation</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.</td>
</tr>
</tbody>
</table>

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.

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

This preparation contains no component classified as Persistent, Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) as defined under Regulation (EC) 1907/2006.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester resin</td>
<td>Trade Secret</td>
<td>&lt; 55</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>1317-61-9</td>
<td>&lt; 50</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>7631-86-9</td>
<td>&lt; 2</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>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.</td>
</tr>
</tbody>
</table>
Skin contact
Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

Inhalation
Move person to fresh air immediately. 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

Flammable properties
Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.

Extinguishing media
Suitable extinguishing media
CO2, water, or dry chemical

Unsuitable extinguishing media
None known.

Protection of firefighters
If fire occurs in the printer, treat as an electrical fire.

Specific methods
None established.

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.

Other information
Slowly vacuum or sweep the material into a bag or other sealed container. If a vacuum is used, the motor must be rated as dust explosion-proof. Clean remainder with a damp cloth or vacuum cleaner. Fine powder can form explosive dust-air mixtures. Dispose of in compliance with federal, state, and local regulations.

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. Keep tightly closed and dry. Store away from strong oxidizers.

8. Exposure Controls / Personal Protection

Exposure guidelines
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)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3

Engineering controls
Use in a well ventilated area.

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

9. Physical & Chemical Properties

Appearance
Fine powder

Color
Black.

Odor
Slight plastic odor

Odor threshold
Not available.

Physical state
Solid

Form
solid

pH
Not applicable

Melting point
Not available.
Freezing point Not available.
Boiling point Not applicable
Flash point Not applicable
Evaporation rate Not available.
Flammability limits in air, upper, % by volume Not applicable
Flammability limits in air, lower, % by volume Not flammable
Vapor pressure Not applicable
Vapor density Not available.
Specific gravity 1.4 (H2O = 1)
Relative density Not available.
Solubility (water) Negligible in water. Partially soluble in toluene and xylene.
Auto-ignition temperature No data available
Decomposition temperature Not available.
Softening point 212 - 302 °F (100 - 150 °C)
Viscosity Not applicable
Percent volatile Negligible
VOC Not applicable
Other information Decomposition temperature: > 200 °C

10. Chemical Stability & Reactivity Information
Chemical stability Stable under normal storage conditions.
Conditions to avoid Imaging Drum: Exposure to light
Incompatible materials Strong oxidizers
Hazardous decomposition products Carbon monoxide and carbon dioxide.
Possibility of hazardous reactions Will not occur.

11. Toxicological Information
Carcinogenicity Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).
Inhalation toxicity No information available. Not classified for acute inhalation toxicity according to EU Directive 67/548/EEC and 1999/45/EC.
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.
Skin sensitization Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Chronic toxicity No information available.
Sensitization Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
Mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
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 2 for potential health effects and Section 4 for first aid measures.

12. Ecological Information
Ecotoxicity LL50: 1000 mg/l, Rainbow Trout, 96.00 Hours
Persistence and degradability 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**

22 or more of these cartridges shipped together in a single package (e.g., box, container), by air, are regulated as a magnetized material. These requirements do not apply to single or dual pack cartridges contained in an original HP package and shrink wrapped on a pallet for shipment by air.

**DOT**

Not regulated as dangerous goods.

**IATA**

- **Basic shipping requirements:**
  - Proper shipping name: Magnetized Material
  - UN number: 2807

**IMDG**

Not regulated as dangerous goods.

**RID**

Not regulated as dangerous goods.

15. Regulatory Information

**US federal regulations**

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

**CERCLA (Superfund) reportable quantity**

None

**Occupational Safety and Health Administration (OSHA)**

- 29 CFR 1910.1200 hazardous chemical: No

**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

- Section 302 extremely hazardous substance: No

- Section 311 hazardous chemical: No

**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

**Other information**

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

**HMIS® ratings**

- Health: 1
- Flammability: 1
- Physical hazard: 0

**NFPA ratings**

- Health: 1
- Flammability: 1
- Instability: 0
Disclaimer
This [Material] Safety Data Sheet 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 (M)SDS 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.

Issue date
03-Aug-2010

This data sheet contains changes from the previous version in section(s):
9. Physical & Chemical Properties: Color
14. Transport Information: Agency Name and Packaging Type/Transport Mode Selection

Transport Information: Further 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

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>