1. Identification

Product identifier: HP LaserJet CF233A Print Cartridge

Other means of identification: Not available.


Recommended restrictions: None known.

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

HP Inc. health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048

HP Inc. 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: Not classified.

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 other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

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>Styrene acrylate copolymer</td>
<td>Trade Secret</td>
<td>&lt;60</td>
<td></td>
</tr>
<tr>
<td>Iron oxide</td>
<td>1317-61-9</td>
<td>&lt;40</td>
<td></td>
</tr>
<tr>
<td>Polyester resin</td>
<td>Polyester resin</td>
<td>Proprietary</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Wax</td>
<td>Wax</td>
<td>Trade Secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>Amorphous silica</td>
<td>7631-86-9</td>
<td>&lt;2</td>
</tr>
</tbody>
</table>
4. First-aid measures

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

**Skin contact**
Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

**Eye contact**
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.

**Ingestion**
Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

**Most important symptoms/effects, acute and delayed**
Not available.

5. Fire-fighting measures

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

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
Flammable or explosive mixtures with air maybe formed.

**Special protective equipment and precautions for firefighters**
Not available.

**Fire-fighting equipment/instructions**
If fire occurs in the printer, treat as an electrical fire.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Minimize dust generation and accumulation.

**Methods and materials for containment and cleaning up**
Clean up promptly by scoop or vacuum. If a vacuum is used, the motor must be rated as dust explosion-proof.

**Environmental precautions**
Prevent entry into waterways, sewer, basements or confined areas.

7. Handling and storage

**Precautions for safe 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.

**Conditions for safe storage, including any incompatibilities**
Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers.

8. Exposure controls/personal protection

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica (CAS 7631-86-9)</td>
<td>TWA</td>
<td>6 mg/m³</td>
</tr>
</tbody>
</table>

**Biological limit values**
No biological exposure limits noted for the ingredient(s).

**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)
- **TRGS 900 (Luftgrenzwert):** 10 mg/m³ (Einatembare partikel), 3 mg/m³ (Alveolengängige fraktion)
- **UK WEL:** 10 mg/m³ (Respirable Dust), 5 mg/m³ (Inhalable Dust)

**Appropriate engineering controls**
Use in a well ventilated area.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**
Not available.
9. Physical and chemical properties

Appearance
Fine powder

Physical state
Solid.

Color
Black.

Odor
Slight plastic odor

Odor threshold
Not available.

pH
Not applicable

Melting point/freezing point
194 - 284 °F (90 - 140 °C)

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)
- Solubility (water)
  Organic solvent; partly soluble

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

Auto-ignition temperature
> 392 °F (> 200 °C)

Decomposition temperature
Not applicable

Viscosity
Not applicable

Other information
- Percent volatile
  Negligible
- Specific gravity
  1.4 - 1.8
- VOC (Weight %)
  Not applicable

10. Stability and reactivity

Reactivity
Not available.

Chemical stability
Stable under normal storage conditions.

Possibility of hazardous reactions
Will not occur.

Conditions to avoid
Not available.

Incompatible materials

Hazardous decomposition products
Carbon monoxide and carbon dioxide.
11. Toxicological information

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

Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met.

Skin corrosion/irritation
Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation
Based on available data, the classification criteria are not met.

Respiratory or skin sensitization
Respiratory sensitization
Based on available data, the classification criteria are not met.

Skin sensitization
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
Based on available data, the classification criteria are not met.

Carcinogenicity
Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity
Amorphous silica (CAS 7631-86-9) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity
Based on available data, the classification criteria are not met.

Specific target organ toxicity
- single exposure
Based on available data, the classification criteria are not met.

- repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

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.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica (CAS 7631-86-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>&gt; 15000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>&gt; 22500 mg/kg</td>
</tr>
</tbody>
</table>

12. Ecological information

Ecotoxicity

Product
CF233A

Aquatic
- Algae
  ErC50 Algae > 100 mg/l, 72 Hours
- Crustacea
  EC50 Crustacea > 100 mg/l, 48 Hours
- Fish
  LC50 Fish > 100 mg/l, 96 Hours

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 Not applicable.

US. Massachusetts RTK - Substance List
Amorphous silica (CAS 7631-86-9)

US. New Jersey Worker and Community Right-to-Know Act
Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law
Amorphous silica (CAS 7631-86-9)

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 16-Sep-2016
Version # 01
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 Inc.
11311 Chinden Boulevard
Boise, ID 83714 USA
(Direct) 1-503-494-7199
(Toll-free within the US) 1-800-457-4209

Explanation of abbreviations

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