SAFETY DATA SHEET

1. Identification

Product identifier: HP LaserJet W9005MC Print Cartridge

Other means of identification: Not available.

Recommended use: This product is a toner preparation that is used in HP LaserJet Managed MFP E72525, HP LaserJet Managed MFP E72530, HP LaserJet Managed MFP E72535 series printers.

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): Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. 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-acrylic resin</td>
<td>Trade Secret</td>
<td></td>
<td>&lt;85</td>
</tr>
<tr>
<td>Paraffin wax</td>
<td>Trade Secret</td>
<td></td>
<td>&lt;10</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td></td>
<td>&lt;6</td>
</tr>
<tr>
<td>Silica</td>
<td>Amorphous silica</td>
<td>Trade Secret</td>
<td>&lt;3</td>
</tr>
</tbody>
</table>

Material name: W9005MC

Version #: 02 Revision date: 23-Mar-2017 Issue date: 14-Mar-2017
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 with water. Drink one to two glasses of water. If symptoms occur, consult a physician.
- **Most important symptoms/effects, acute and delayed**: Difficulty in breathing. Coughing.

5. Fire-fighting measures

- **Suitable extinguishing media**: Water spray, dry chemical, carbon dioxide.
- **Unsuitable extinguishing media**: None known.
- **Specific hazards arising from the chemical**: Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
- **Special protective equipment and precautions for firefighters**: Wear self-contained breathing apparatus and protective clothing. Wear full set of protective equipment including chemical goggles and gloves.
- **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**: Avoid inhalation of dust. Wash thoroughly after dealing with a spillage. See Section 8 of the SDS for Personal Protective Equipment. Ensure adequate ventilation.
- **Methods and materials for containment and cleaning up**: Small Spills: Remove sources of ignition. Large Spills: Wear appropriate protective equipment and clothing during clean-up. Remove small spills with vacuum cleaner. Wipe up with absorbent material (e.g. cloth, fleece).
- **Environmental precautions**: Avoid spreading dust or contaminated materials. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

- **Precautions for safe handling**: 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**
  - **US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**
    - **Components**
    - **Type**
    - **Value**
    - **Carbon black (CAS 1333-86-4)**
      - **PEL**: 3.5 mg/m³
  - **US. ACGIH Threshold Limit Values**
    - **Components**
    - **Type**
    - **Value**
    - **Form**
    - **Carbon black (CAS 1333-86-4)**
      - **TWA**: 3 mg/m³
      - **Inhalable fraction.**
    - **Paraffin wax (CAS Trade Secret)**
      - **TWA**: 2 mg/m³
      - **Fume.**
US NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Paraffin wax (CAS Trade Secret)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td>Silica (CAS Trade Secret)</td>
<td>TWA</td>
<td>6 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

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

**Exposure guidelines**
USA OSHA (TWA/PEL): 10 mg/m³ (Total Dust)
ACGIH (TWA/TLV): 15 mg/m³ (Inhalable Particulate)

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

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

- **Eye/face protection**
  Wear safety glasses with side shields (or goggles).

- **Skin protection**
  - **Hand protection**
    Rubber gloves are recommended. Wash hands after handling.
  - **Other**
    Protection suit must be worn.

- **Respiratory protection**
  No personal respiratory protective equipment required under normal conditions of use.

- **Thermal hazards**
  Not available.

**General hygiene considerations**
Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.

**9. Physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Fine powder</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Solid.</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Black.</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Odorless</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td>Not flammable</td>
</tr>
<tr>
<td><strong>Flammability limit - lower (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammability limit - upper (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Explosive limit - lower (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Explosive limit - upper (%)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td>Insoluble in water. Partially soluble in toluene, chloroform and tetrahydrofurane</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water)</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>&gt; 392 °F (&gt; 200 °C)</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Other information
Percent volatile 0 % estimated
Specific gravity 1.2 g/ml
Other information Not available.

10. Stability and reactivity
Reactivity Not available.
Chemical stability Stable under normal storage conditions.
Possibility of hazardous reactions Stable
Conditions to avoid Heat, sparks, flames. Sunlight. Avoid dust close to ignition sources.
Incompatible materials This product may react with strong oxidizing agents. This product may react with strong acids.
Hazardous decomposition products Carbon monoxide and carbon dioxide. Hydrogen.

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. LD50/oral/rat >5000 mg/kg
Skin corrosion/irritation Based on available data, the classification criteria are not met. Not a known irritant. (OECD 404)
Serious eye damage/eye irritation Based on available data, the classification criteria are not met. Not a known irritant. (OECD 405)
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)
Carcinogenicity Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity
Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.
Silica (CAS Trade Secret) 3 Not classifiable as to carcinogenicity to humans.

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

In a study in rats (H.Muhle) by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the concentration (16mg/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle (4mg/m³) exposure group. But no pulmonary changes was reported in the lowest (1mg/m³) exposure group, the most relevant level to potential human exposures.
### Components

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
</tr>
<tr>
<td>Silica (CAS Trade Secret)</td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
</tr>
</tbody>
</table>

### 12. Ecological information

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Mobility in soil** Not available.

**Other adverse effects** Not available.

### 13. Disposal considerations

**Disposal instructions** Dispose of in compliance with federal, state, and local regulations. Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Do not put toner container into fire; heated toner may cause severe burns. Do not incinerate. Do not allow this material to drain into sewers/water supplies.

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

**DOT** Not regulated as dangerous goods.

**IATA** Not regulated as dangerous goods.

**IMDG** Not regulated as dangerous goods.

**ADR** 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.

- **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.


**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
Carbon black (CAS 1333-86-4)
Paraffin wax (CAS Trade Secret)
Silica (CAS Trade Secret)

US. New Jersey Worker and Community Right-to-Know Act
Carbon black (CAS 1333-86-4)
Paraffin wax (CAS Trade Secret)

US. Pennsylvania Worker and Community Right-to-Know Law
Carbon black (CAS 1333-86-4)
Paraffin wax (CAS Trade Secret)
Silica (CAS Trade Secret)

US. Rhode Island RTK
Not regulated.

US. California Proposition 65
US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
CARBON BLACK (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)
Listed: February 21, 2003

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
14-Mar-2017

Revision date
23-Mar-2017

Version #
02

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.

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**

<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>