



# SAFETY DATA SHEET

## 1. Identification

|   |  |
|---|--|
| <b>Product identifier</b>                                     | HP LaserJet Q5949A-X-XC-XD Print Cartridge   |
| <b>Other means of identification</b>                          | None.  |
| <b>Recommended use</b>  | This product is a toner preparation that is used in HP LaserJet 1160/1320/3390/3392 series printers.   |
| <b>Recommended restrictions</b>                               | None known.  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |  |
|   | Hewlett-Packard Vietnam Ltd.<br>Suite 1002, 29 Le Duan, Saigon Tower, 10th floor<br>District 1, Ho Chi Minh city, Ho Chi Minh (Sai Gon),<br>Viet Nam |
| <b>Telephone</b>  | +84437245550   |
| <b>HP Inc. health effect line</b>                             |  |
| <b>(Toll-free within US)</b>                                  | 1-800-457-4209   |
| <b>(Direct)</b>   | 1-760-710-0048   |
| <b>HP Inc. Customer Care Line</b>                             |  |
| <b>(Toll-free within the US)</b>                              | 1-800-474-6836   |
| <b>(Direct)</b>   | 1-208-323-2551   |
| <b>Email:</b>   | hpcustomer.inquiries@hp.com  |

## 2. Hazard(s) identification

|  |   |
|--|---|
| <b>Physical hazards</b>                                    | Not classified.   |
| <b>Health hazards</b>                                      | Not classified.   |
| <b>Environmental hazards</b>                               | Not classified.   |
| <b>Label elements</b>                                      |   |
| <b>Hazard symbol</b>                                       | None.   |
| <b>Signal word</b>   | None.   |
| <b>Hazard statement</b>                                    | Not available.  |
| <b>Precautionary statement</b>                             |   |
| <b>Prevention</b>  | Not available.  |
| <b>Response</b>  | Not available.  |
| <b>Storage</b>   | Not available.  |
| <b>Disposal</b>  | Not available.  |
| <b>Other hazards which do not result in classification</b> | None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. |
| <b>Supplemental information</b>                            | None.   |

## 3. Composition/information on ingredients

### Mixtures

| <b>Non-hazardous components</b> |                                 |                   |          |
|---------------------------------|---------------------------------|-------------------|----------|
| <b>Chemical name</b>            | <b>Common name and synonyms</b> | <b>CAS number</b> | <b>%</b> |
| Polyester resin                 | Polyester resin                 | CBI               | <55      |
| Iron oxide                      |                                 | 1317-61-9         | <50      |
| Amorphous silica                | Amorphous silica                | 7631-86-9         | <3       |

## 4. First-aid measures

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Move person to fresh air immediately. If irritation persists, consult a physician.                                 |
| <b>Skin contact</b> | Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists. |

|   |  |
|---|--|
| <b>Eye contact</b>  | 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. |
| <b>Ingestion</b>  | Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician.   |
| <b>Most important symptoms/effects, acute and delayed</b> | Not available.   |

## 5. Fire-fighting measures

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

## 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Minimize dust generation and accumulation.   |
| <b>Methods and materials for containment and cleaning up</b>               | Not available.   |
| <b>Environmental precautions</b>   | Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations. |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | 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. |
| <b>Conditions for safe storage, including any incompatibilities</b> | 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

|  |   |
|--|---|
| <b>Occupational exposure limits</b>  | No exposure limits noted for ingredient(s).   |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Exposure guidelines</b>   | , 5 mg/m <sup>3</sup> (Respirable Fraction)<br>, 3 mg/m <sup>3</sup> (Respirable Particulate)<br><br>Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m <sup>3</sup> )/%SiO <sub>2</sub> , ACGIH (TWA/TLV): 10 mg/m <sup>3</sup><br><br>TRGS 900 (Luftgrenzwert) - 10 mg/m <sup>3</sup> (Einatembare partikel), 3 mg/m <sup>3</sup> (Alveolengängige fraktion)<br><br>UK WEL: 10 mg/m <sup>3</sup> (Respirable Dust), 5 mg/m <sup>3</sup> (Inhalable Dust) |
| <b>Appropriate engineering controls</b>                                      | Use in a well ventilated area.  |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Not available.  |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Not available.  |
| <b>Other</b>   | Not available.  |
| <b>Respiratory protection</b>  | Not available.  |
| <b>Thermal hazards</b>   | Not available.  |

## 9. Physical and chemical properties

|                       |                     |
|-----------------------|---------------------|
| <b>Appearance</b>     | Fine powder         |
| <b>Physical state</b> | Solid.              |
| <b>Form</b>           | solid               |
| <b>Color</b>          | Black.              |
| <b>Odor</b>           | Slight plastic odor |

|   |   |
|---|---|
| <b>Odor threshold</b>                               | Not available.  |
| <b>pH</b>   | Not applicable  |
| <b>Melting point/freezing point</b>                 | Not available.  |
| <b>Initial boiling point and boiling range</b>      | Not applicable  |
| <b>Flash point</b>                                  | Not applicable  |
| <b>Evaporation rate</b>                             | Not applicable  |
| <b>Flammability (solid, gas)</b>                    | Not available.  |
| <b>Upper/lower flammability or explosive limits</b> |   |
| <b>Flammability limit - lower (%)</b>               | Not flammable   |
| <b>Flammability limit - upper (%)</b>               | Not available.  |
| <b>Explosive limit - lower (%)</b>                  | Not available.  |
| <b>Explosive limit - upper (%)</b>                  | Not available.  |
| <b>Vapor pressure</b>                               | Not applicable  |
| <b>Vapor density</b>                                | Not applicable  |
| <b>Solubility(ies)</b>                              |   |
| <b>Solubility (water)</b>                           | Negligible in water. Partially soluble in toluene and xylene. |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.  |
| <b>Auto-ignition temperature</b>                    | Not applicable  |
| <b>Decomposition temperature</b>                    | > 392 °F (> 200 °C)   |
| <b>Viscosity</b>                                    | Not applicable  |
| <b>Other information</b>                            |   |
| <b>Oxidizing properties</b>                         | No information available.                                     |
| <b>Percent volatile</b>                             | Negligible  |
| <b>Softening point</b>                              | 212 - 302 °F (100 - 150 °C)                                   |
| <b>Specific gravity</b>                             | 1.4 - 1.8   |
| <b>VOC</b>  | Not applicable  |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | Not available.                          |
| <b>Chemical stability</b>                 | Stable under normal storage conditions. |
| <b>Possibility of hazardous reactions</b> | Will not occur.                         |
| <b>Conditions to avoid</b>                | Imaging Drum: Exposure to light         |
| <b>Incompatible materials</b>             | Strong oxidizers                        |
| <b>Hazardous decomposition products</b>   | Carbon monoxide and carbon dioxide.     |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| <b>Skin contact</b> | Contact with skin may result in mild irritation.   |
| <b>Eye contact</b>  | Contact with eyes may result in mild irritation.   |
| <b>Ingestion</b>    | Ingestion is not a likely route of exposure.   |

**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.

| <b>Product</b> | <b>Species</b> | <b>Test Results</b> |
|----------------|----------------|---------------------|
| Q5949A-X-XC-XD |                |                     |
| <u>Acute</u>   |                |                     |
| LD50           |                | > 2000 mg/kg        |

|   |   |
|---|---|
| <b>Skin corrosion/irritation</b>                              | Based on available data, the classification criteria are not met.   |
| <b>Serious eye damage/eye irritation</b>                      | Based on available data, the classification criteria are not met.   |
| <b>Respiratory or skin sensitization</b>                      |   |
| <b>Respiratory sensitization</b>                              | Based on available data, the classification criteria are not met.   |
| <b>Skin sensitization</b>                                     | Based on available data, the classification criteria are not met.   |
| <b>Germ cell mutagenicity</b>                                 | Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)<br>Based on available data, the classification criteria are not met.        |
| <b>Carcinogenicity</b>  | Based on available data, the classification criteria are not met.   |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b> |   |
| Amorphous silica (CAS 7631-86-9)                              | 3 Not classifiable as to carcinogenicity to humans.   |
| <b>Reproductive toxicity</b>                                  | Based on available data, the classification criteria are not met.   |
| <b>Specific target organ toxicity - single exposure</b>       | Based on available data, the classification criteria are not met.   |
| <b>Specific target organ toxicity - repeated exposure</b>     | Based on available data, the classification criteria are not met.   |
| <b>Aspiration hazard</b>                                      | Based on available data, the classification criteria are not met.   |
| <b>Further information</b>                                    | Complete toxicity data are not available for this specific formulation<br>Refer to Section 2 for potential health effects and Section 4 for first aid measures. |

## 12. Ecological information

**Ecotoxicity** LL50: > 1000 mg/l, Fish, 96.00 Hours

| Product        | Species |           | Test Results          |
|----------------|---------|-----------|-----------------------|
| Q5949A-X-XC-XD |         |           |                       |
| <b>Aquatic</b> |         |           |                       |
| Algae          | Erl50   | Algae     | > 1000 mg/l, 72 Hours |
| Crustacea      | EL50    | Crustacea | > 1000 mg/l, 48 Hours |
| Fish           | LL50    | Fish      | > 1000 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>.

**Waste from residues / unused products** Not available.  
**Contaminated packaging** Not available.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

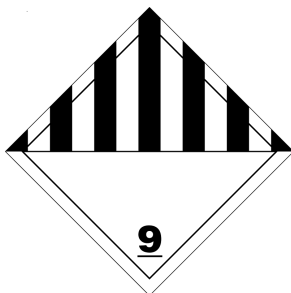
**UN number** UN2807  
**UN proper shipping name** Magnetized Material  
**Transport hazard class(es)**  
    **Class** 9  
    **Subsidiary risk** -  
**Packing group** Not available.  
**Environmental hazards** No.  
**Special precautions for user** Not available.

### IMDG

Not regulated as dangerous goods.

**ADR**

Not regulated as dangerous goods.

**IATA****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.

**15. Regulatory information****National regulations****Ozone Depleting Substances (ODS) Joint circular No. 14/2005/TTLT-BTM-BTNMT**

Not regulated.

**Vietnam. Chemicals that must be declared (Decree No. 108/2008/ND-CP, App. 5, Oct. 7, 2008, as amended through Decree No. 26/2011/ND-CP, April 8, 2011)**

Amorphous silica (CAS 7631-86-9)

**Vietnam. Toxic Chemicals Requiring Sale & Purchase Control Slips (Decree No. 26/2011/ND-CP, App. 6, April 8, 2011)**

Not regulated.

**Vietnam. CWC (Decree No. 100/2005/ND-CP, Implementation of Chemical Weapons Convention, Appendix 1, Schedules 1-3, August 3, 2005)**

Not regulated.

**Vietnam. Drug Precursor & Essential Substances (Decree No. 67/2001/ND-CP, List IV, as amended through Decree No. 17/2011/ND-CP, Feb. 22, 2011)**

Not regulated.

**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.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Montreal Protocol**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

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

|                      |             |
|----------------------|-------------|
| <b>Issue date</b>    | 29-Oct-2016 |
| <b>Revision date</b> | 17-Apr-2018 |
| <b>Version #</b>     | 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.

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.

## Revision information

Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Multiple Properties  
Physical and chemical properties: Color  
Toxicological Information: Toxicological Data  
Toxicological information: Eye contact  
Toxicological information: Ingestion  
Toxicological information: Inhalation  
Toxicological information: Skin contact  
Ecological Information: Ecotoxicity  
14. Transport Information: Material Transportation Information  
Transport information: Further information  
Other information, including date of preparation or last revision: Disclaimer

## 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  |