



# SAFETY DATA SHEET

## 1. Product and Company Identification

**Product identifier** HP Color LaserJet Q5950A-AC Black Print Cartridge  
**Issue date** 26-Jun-2015  
**Revision date** 24-Sep-2015  
**Version #** 02  
**Product use** This product is a black toner preparation that is used in HP Color LaserJet 4700 series printers  
**Company identification** HP Canada Co.  
5150 Spectrum Way, Floor 6  
Mississauga, Ontario, Canada L4W 5G1  
Telephone 1-905-206-4725  
or 1-888-447-4636  
  
HP health effects line  
(Toll-free within the US) 1-800-457-4209  
(Direct) 1-760-710-0048  
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(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
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## 2. Hazards 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.  
**Other hazards** 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.

## 3. Composition / Information on Ingredients

Non-hazardous components	CAS #	Percent
Styrene acrylate copolymer	Trade Secret	<85
Wax	Trade Secret	<15
Carbon Black	1333-86-4	<6
Silica, Amorphous, Fumed	7631-86-9	<2

## 4. First Aid Measures

**First aid procedures**  
**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.  
**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 out with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

**5. Fire Fighting Measures**

<b>Flash point</b>	Not applicable
<b>Flammable properties</b>	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	CO2, water, or dry chemical
<b>Unsuitable extinguishing media</b>	None known.
<b>Fire fighting equipment/instructions</b>	If fire occurs in the printer, treat as an electrical fire.
<b>Specific methods</b>	None established.
<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	Not available.
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.

**6. Accidental Release Measures**

<b>Personal precautions</b>	Minimize dust generation and accumulation.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
<b>Methods for cleaning up</b>	Not available.
<b>Other information</b>	Slowly vacuum or sweep the material into a bag or other sealed container. Clean remainder with a damp cloth or vacuum cleaner. If a vacuum is used, the motor must be rated as dust explosion-proof. Fine powder can form explosive dust-air mixtures. Dispose of in compliance with federal, state, and local regulations.

**7. Handling and Storage**

<b>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>Storage</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****Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m <sup>3</sup>	Inhalable fraction.

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Components	Type	Value
Carbon Black (CAS 1333-86-4)	TWA	3.5 mg/m <sup>3</sup>

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value	Form
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m <sup>3</sup>	Inhalable

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

Components	Type	Value	Form
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m <sup>3</sup>	Inhalable fraction.

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value
Carbon Black (CAS 1333-86-4)	TWA	3.5 mg/m <sup>3</sup>

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Components	Type	Value
Carbon Black (CAS 1333-86-4)	TWA	3.5 mg/m <sup>3</sup>

**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/m <sup>3</sup>

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

**Personal protective equipment**

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

**Exposure guidelines**

USA OSHA (TWA/PEL): 15 mg/m<sup>3</sup> (Total Dust), 5 mg/m<sup>3</sup> (Respirable Fraction)

ACGIH (TWA/TLV): 10 mg/m<sup>3</sup> (Inhalable Particulate), 3 mg/m<sup>3</sup> (Respirable Particulate)

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>

**Engineering controls**

Use in a well ventilated area.

**Personal protective equipment**

**Eye/face protection** Not available.

**Skin protection** Not available.

**Respiratory protection** Not available.

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**9. Physical & Chemical Properties**

**Appearance** Fine powder

**Physical state** Solid.

**Color** Black.

**Odor** Slight plastic odor

**Odor threshold** Not available.

**pH** Not applicable

**Vapor pressure** Not applicable

**Boiling point** Not applicable

**Melting point/Freezing point** Not available.

**Solubility (water)** Negligible in water. Partially soluble in toluene and xylene.

**Specific gravity** 1 - 1.2

**Flash point** Not applicable

**Flammability limits in air, upper, % by volume** Not available.

**Flammability limits in air, lower, % by volume** Not flammable

**Auto-ignition temperature** Not applicable

**Evaporation rate** Not applicable

**Viscosity** Not applicable

**Percent volatile** 0 % estimated

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

**Softening point** 212 - 302 °F (100 - 150 °C)

**Other data**

**Oxidizing properties** No information available.

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**10. Chemical Stability & Reactivity Information**

**Chemical stability** Stable under normal storage conditions.

<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.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

<b>Acute effects</b>	Based on available data, the classification criteria are not met.
<b>Skin irritation and corrosion</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>Skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.

Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

### ACGIH Carcinogens

Carbon Black (CAS 1333-86-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.
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### IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon Black (CAS 1333-86-4)	2B Possibly carcinogenic to humans.
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<b>Germ cell mutagenicity</b>	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Based on available data, the classification criteria are not met.
<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 Refer to Section 2 for potential health effects and Section 4 for first aid measures.

### Toxicological data

Components	Species	Test Results
Carbon Black (CAS 1333-86-4)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 8000 mg/kg
Silica, Amorphous, Fumed (CAS 7631-86-9)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg

## 12. Ecological Information

<b>Ecotoxicity</b>	LL50: > 1000 mg/l, Rainbow Trout, 96.00 Hours
<b>Environmental effects</b>	Not available.
<b>Persistence and degradability</b>	Not available.

**Ecotoxicological data**

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
Q5950A-AC		
<b>Aquatic</b>		
Fish	LL50	Rainbow Trout
		> 1000 mg/l, 96 Hours

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**13. Disposal Considerations**

<b>Disposal instructions</b>	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 <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> .
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**14. Transport Information**

<b>Further information</b>	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
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**15. Regulatory Information**

<b>Other regulations</b>	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.
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**16. Other Information**

<b>HMIS® ratings</b>	Health: 1 Flammability: 1 Physical hazard: 0
<b>NFPA ratings</b>	Health: 1 Flammability: 1 Instability: 0
<b>Disclaimer</b>	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.
<b>Prepared by</b>	HP
<b>Issue date</b>	26-Jun-2015
<b>Revision date</b>	24-Sep-2015
<b>Version #</b>	02
<b>This data sheet contains changes from the previous version in section(s):</b>	16. Other Information: Disclaimer
<b>Manufacturer information</b>	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

<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