



Material Safety Data Sheet

1.0 Product and Company Identification

Identification of the preparation **HP Q5920C Black Toner**

Company Identification Hewlett-Packard Company
11311 Chinden Boulevard
Boise, Idaho 83714
United States

Emergency telephone number 1-800-457-4209 (USA and Canada)
Hewlett-Packard Health Effects Line Intl: +1-503-494-7199 (all other areas)
Singapore: +001-800-332-13321

General information telephone number 1-208-323-2551 (USA and Canada)
Intl: +1-208-323-2551 (all other areas)

Local Contact Information **Ireland**
Liffey Park Technology Park
Barnhall Road Leixlip, Co.
Kildare, Ireland
Phone: 01 6150000
United Kingdom
Hewlett-Packard, Ltd.
Cain Road, Amen Corner
Bracknell, Berkshire, RG12 1HN
Phone: 1344 36-0000

Hazard Rating	US NFPA/HMIS
Health	1
Flammability	1
Instability/Reactivity	0
Special	N/A

2.0 Composition/Information on Ingredients

This product is a black toner preparation that is used in hp 9850 mfp series multi-function products. This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, and as amended.

Toner Component/Substance	CAS Number	EU Number	% by Weight	Risk Phrases
Styrene acrylate copolymer	-	-	80 - 90	-
Carbon black	1333-86-4	215-609-9	1 - 10	-
Wax	-	-	10 - 20	-
Amorphous silica	7631-86-9	231-545-4	< 1	-
Titanium dioxide	13463-67-7	236-675-5	< 1	-



Material Safety Data Sheet

3.0 Hazard Identification

Routes of Exposure	Inhalation, Ingestion, skin and eyes.
Acute Health Hazards	
Inhalation:	Respiratory tract irritation may occur with exposure to large amounts of dust.
Ingestion:	Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.
Skin:	Unlikely to cause skin irritation.
Eyes:	May cause transient slight irritation.
Chronic Health Hazards	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	Carbon Black, in its unbound form, is listed as a Class 2B (Possible Human Carcinogen) by IARC. Carbon black in this product, due to its bound form, does not present a carcinogenic risk. This product contains no chemical substance subject to rules or orders under California Proposition 65. None of the other ingredients in this product are listed by IARC, NTP, EU, MAK, OSHA or ACGIH as a carcinogen. Refer also to section 11.

4.0 First Aid Measures

Inhalation:	Move person to fresh air immediately. If symptoms occur, consult a physician.
Ingestion:	Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician immediately.
Skin:	Wash affected areas with soap and water. If irritation persists, consult a physician.
Eyes:	Do not rub eyes. Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 5 minutes or until particles are removed. If irritation persists, consult a physician.

5.0 Fire Fighting Measures

Extinguishing media	CO ₂ , water, dry chemical, foam.
Unsuitable Extinguishing Media	None
Special Firefighting Procedures	None



Material Safety Data Sheet

Unusual fire and explosion hazards	Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.
Auto-ignition temperature	Not available
Flashpoint (method)	Not applicable
Hazardous Combustion Products	CO ₂ , CO and smoke.
Flammable limits	Not available.

6.0 Accidental release measures

Spill or leak procedures	Avoid breathing dust. Minimize the release of particles. Slowly 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 waste toner in accordance with local requirements.
Environmental precautions	Do not discharge into drains (See also Section 13, Disposal Considerations).

7.0 Handling and Storage

Advice on safe handling and protection against fire	Keep material out of reach of children. Avoid inhalation of dust and contact with eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.
Requirements for storage rooms and advise on storage compatibility	Keep out of the reach of children. Keep container closed and store at room temperature. Keep away from strong oxidizers.

8.0 Exposure control/ personal protection

Exposure Limit Values

USA OSHA (TWA/PEL):	15 mg/m ³ (Total Dust) 5 mg/m ³ (Respirable Fraction)
ACGIH (TWA/TLV):	10 mg/m ³ (Inhalable Particulate) 3 mg/m ³ (Respirable Particulate)
TRGS 900 (Luftgrenzwert):	4 mg/m ³ (Einatembare Partikel) 1.5 mg/m ³ (Alveolengängige Fraktion)
Carbon Black:	USA OSHA PEL - 3.5 mg/m ³ (TWA) ACGIH TLV - 3.5 mg/m ³ (TWA)
Amorphous silica:	USA OSHA PEL – 20 mppcf, 80(mg/m ³)/% SiO ₂ (TWA) ACGIH TLV – 10 mg/m ³ (TWA)
Titanium dioxide:	ACGIH TLV – 10 mg/m ³ (TWA)



Material Safety Data Sheet

Exposure Controls

Respiratory protection	Not required under intended use.
Ventilation	Good general ventilation should be sufficient under intended use.
Protective gloves	Not required under intended use.
Eye protection	Not required under intended use.
Other protective equipment	Not required under intended use.

9.0 Physical and chemical properties

pH	Not applicable
Boiling point	Not applicable
Flash point	Not applicable
Melting point	100 - 150°C (Softening Point)
Flammability	Non-flammable solid (according to test methods of EU Directive 92/69/EEC and as amended, A10 Flammability (Solids))
Explosive properties	Toner material, like most organic material in powder form, is capable of creating a dust explosion.
Oxidizing properties	No data available
Vapor Pressure	Not applicable
Specific gravity (H ₂ O=1)	1.2
Solubility in water	Insoluble
Solubility in organic solvents	Partially soluble in toluene and xylene.
Partition coefficient	Not applicable
Viscosity	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Physical state	Fine powder
Color	Black
Odor	Slight plastic odor
Other	Decomposition Temperature: >200 °C

10.0 Stability and reactivity

Stability	Stable under normal storage conditions
Incompatibilities	Strong oxidizers
Hazardous decomposition products	CO ₂ , CO and smoke
Hazardous polymerization	Will not occur

11.0 Toxicological information

Refer to Section 3 for potential health effects and Section 4 for first aid measures

Inhalation:	LC ₅₀ :inh-rat>4.95 mg/l/4hrs, not harmful.
Ingestion:	LD ₅₀ :ori-rat>2500 mg/kg, not harmful.
Dermal:	LD ₅₀ :drml-rat>2000 mg/kg, not harmful.



Material Safety Data Sheet

- Eye Contact: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
- Skin Contact: Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
- Chronic Toxicity: No data available.
- Mutagenicity: Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
- Carcinogenicity: Carbon Black, in its unbound form, is listed as a Class 2B (Possible Human Carcinogen) by IARC. Carbon black in this product, due to its bound form, does not present a carcinogenic risk. This product contains no chemical substance subject to rules or orders under California Proposition 65. None of the other ingredients in this product are listed by IARC, NTP, EU, MAK, OSHA or ACGIH as a carcinogen.
- Reproductive Toxicity: Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).
- Sensitization: Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
- Other: Amorphous silica: LD₅₀:ori-rat: 3160 mg/kg, not harmful. Ames test negative.
Titanium dioxide: LD₅₀:ori-rat>5000 mg/kg, not harmful. Ames test negative, not an eye irritant, not a skin irritant, and not a skin sensitizer.

12.0 Ecological Information

Titanium dioxide bioaccumulation: Not accumulated. No other data available for ecological and wastewater treatment (sewage) systems.

13.0 Disposal considerations

Do not put toner into fire; heated toner may cause severe burns. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.

14.0 Transportation information

Not a regulated article under DOT, IATA, ADR, or RID

UN Number None
Class None
Proper Shipping Name None



Material Safety Data Sheet

Packing Group None

Special Precautions None

15.0 Regulatory information

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

US TSCA 12(b): None

US California Proposition 65: This product contains no chemical substances subject to rules or orders under California Proposition 65.

CERCLA: None

SARA Title III 302, 311, 312, and 313: None

EU Notification: All components in this product are compliant with EU Chemical Inventory regulations.

EU Hazard Label (1999/45/EC): Product does not require a label under 1999/45/EC and as amended.

Special Precautions under 1999/45/EC, Annex V: None

US Labeling Symbol: Not required

Hazard Warning: Not required

Safety Advice: Not required

Hazardous Component(s): None

16.0 Other information

Date Prepared: May 1, 2004

HP-DMS Document Control Number: 09000de78004ac92-eng

Revision Information: This documents replaces all prior version of the MSDS

EU & US Information: This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC, and US OSHA Hazard Communications regulations (29CFR1910:1200).

DISCLAIMER: This Material Safety Data Sheet (MSDS) is provided without charge to customers of Hewlett-Packard. Data is the most current known to Hewlett-Packard at the time of preparation of this MSDS and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described, or their suitability for a particular application.