Material Safety Data Sheet

1.0 Product and Company Identification

Identification of the Preparation — **HP LaserJet Q6511A/X Print Cartridge**

Company Identification

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

Emergency Telephone Number Hewlett-Packard Health Effects Line

1-800-457-4209 (USA and Canada)
503-494-7199 (USA direct)
Singapore: +001-800-332-13321

General Information Telephone Number

208-323-2551 (USA direct)

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 toner preparation that is used in Hewlett-Packard LaserJet 2410, 2420, and 2430 series printers.

Toner Component/Substance	CAS Number	EU Number	% by Weight	Risk Phrases
Styrene acrylate copolymer	-	-	45 – 55	-
Iron Oxide	1317-61-9	215-277-5	40 - 50	-
Amorphous silica	7631-86-9	231-545-4	1 - 3	-

3.0 Hazard Identification

The preparation is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, and as amended.

3.1 Routes of Exposure Inhalation, Ingestion, skin and eyes.

3.2 Acute Health Hazards

Inhalation:	Minimal respiratory tract irritation may occur with exposure to large amount of toner 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.
3.3 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.
3.4 Carcinogenicity	Refer to section 11.

4.0 First Aid Measures

Inhalation:	Move person to fresh air immediately. If symptoms occur, consult a physician.
Ingestion:	Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a physician.
Skin:	Wash affected areas thoroughly 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
Unsuitable Extinguishing Media	None known
Special Firefighting Procedures	None
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	No data available
Flashpoint (method)	Not applicable
Hazardous Combustion Products	CO, CO_2

6.0 Accidental release measures

6.1 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.

6.2 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

8.1 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)

DFG (MAK): 4 mg/m3 (Einatembare Partikel)
1.5 mg/m3 (Alveolengängige Fraktion)

Amorphous Silica: USA OSHA (TWA/PEL) - 20 mppcf, 80(mg/m^3)/%SiO_2
ACGIH (TWA/TLV) - 10 mg/m^3
DFG (MAK) - 4 mg/m^3 (Inhalable fraction)

8.2 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_2O=1)	1.4 - 1.8
Solubility in water	Negligible
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 ^{o}C

10.0 Stability and reactivity

Stability	Stable under normal storage conditions
Incompatibilities	Strong oxidizers
Hazardous decomposition products	CO, CO_2
Hazardous polymerization	Will not occur

11.0 Toxicological information

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

Inhalation:	Not available
Ingestion:	LD_{50}:oral-rat>2000 mg/kg, not harmful.
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 emended.
Chronic Toxicity:	No data available.
Sensitization:	Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and OSHA HCS (US).
Mutagenicity:	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium - Negative)
Carcinogenicity:	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).

Reproductive Toxicity:	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, or DFG (Germany).
Other:	None known

12.0 Ecological Information

No data available for ecological and wastewater treatment (sewage) systems.

13.0 Disposal considerations

Do not put toner or print cartridge into fire; heated toner may cause severe burns. Do not shred print 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 regulation.

14.0 Transportation information

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

UN Number	None
Class	None
Proper Shipping Name	None
Packing Group	None
Special Precautions	None

15.0 Regulatory information

US EPA TSCA Inventory	All chemical substances in this HP product comply with all rules or orders under TSCA.
US EPA TSCA 12(b)	Contains p-Xylene - [CAS No. 106-42-3]
US California Proposition 65	None
EU Notification	All components in this product are compliant with EU Chemical Inventory regulations.
EU R&S Phrase Information	No European Risk Phrases (labeling data)
Dangerous Components (CAS No.) wt%	None
USA Labeling	
Symbol	Not required
Hazard Warning	Not required
Safety Advice	Not required
Hazardous Component(s)	None

16.0 Other information

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Revision Information: This document replaces all prior versions of the MSDS

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

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