



Material Safety Data Sheet

1.0 Product and Company Identification

Identification of the Preparation **HP LaserJet Print Cartridge C3909A/X**

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 5Si, 5Si MX, 5Si Mopier, 8000 series, or Mopier 240 printers.

Component/Substance	CAS Number	EU Number	% by Weight	Risk Phrases
Styrene Acrylate Copolymer	-	-	45 - 55	-
Iron Oxide	1317-61-9	215-277-5	45 - 55	-

3.0 Hazard Identification

The preparation is not classified according to EU Directive 1999/45/EC

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



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3.2 Acute Health Hazards

Inhalation: Minimal respiratory tract irritation may occur with exposure to large amount of toner dust.

Ingestion: Ingestion is not applicable route of entry for intended use.

Skin: None currently known

Eyes: May cause eye 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 symptoms occur, consult a physician.

Eyes: Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes. If symptoms occur, consult a physician.

5.0 Fire Fighting Measures

Extinguishing media CO₂, water, dry chemical

Unsuitable Extinguishing Media None known

Special Firefighting Procedures None

Unusual fire and explosion hazards Toner material, like most organic material in powder form, is capable of creating a dust explosion.

Auto-ignition temperature No data available

Flashpoint (method) Not applicable

Hazardous Combustion Products Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide

6.0 Accidental release measures

6.1 Spill or leak procedures Wear personal protective equipment as described in Section 8. Minimize the release of particulates. Vacuum or sweep the material into a bag or other sealed container and dispose in accordance with local requirements.



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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. Keep away from excessive heat, sparks, and open flames.

Requirements for storage rooms and advice on storage compatibility

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)
TRGS 900 (Luftgrenzwert):	10 mg/m ³ (Einatembare Partikel)
	3 mg/m ³ (Alveolengängige Fraktion)

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 USA 16 CFR 1500.44 and 84/449/EEC (Annex V) A.10)
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 (H₂O=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



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Vapor density	Not applicable
Evaporation rate	Not applicable
Physical state	Fine powder
Color	Black
Odor	Slight plastic odor
Other	None Known

10.0 Stability and reactivity

Stability	Stable under normal storage conditions
Incompatibilities	Strong oxidizers
Hazardous decomposition products	Combustion will produce carbon dioxide and, possibly toxic chemicals such as carbon monoxide
Hazardous polymerization	Will not occur

11.0 Toxicological information

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

Acute Toxicity:

Ingestion:	LD ₅₀ :orl-rat>5000 mg/kg, not harmful
Eye Contact:	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC
Skin Contact:	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC
Chronic Toxicity:	No data available

Other Toxicity Data:

Mutagenicity:	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
Carcinogenicity:	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California)

12.0 Ecological Information

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

13.0 Disposal considerations

Product / unused product / contaminated packaging (for Germany only)
Recommendation: consultation with the disposal agency and the relevant authorities;
cleansing agent is water.

14.0 Transportation information

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



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

15.0 Regulatory information

US EPA TSCA Inventory All ingredients are listed on TSCA inventory
US EPA TSCA 12(b) None
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

Date Prepared: August 1, 2002
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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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