

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the

preparation

HP LaserJet C3909A-X Print Cartridge

Use of the preparation

This product is a toner preparation that is used in HP LaserJet 5Si/5Si MX/5Si

Monier/8000/Monier 240 series printers.

Manufacturer information

Hewlett-Packard Company 11311 Chinden Boulevard Boise, ID 83714 USA

Hewlett-Packard health effects line

(Toll-free within the US)

1-800-457-4209

(Direct)

1-503-494-7199

General information telephone number

**HP Customer Care Line** 

1-800-474-6836

(Toll-free)

1-800-474-6836

(Direct)

1-208-323-2551

Date prepared

Oct 10, 2005

MSDS number

79282

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Component/substance	CAS number % by we		ight	
Styrene acrylate copolymer	Trade Secret	45 - 55		_
Iron oxide	1317-61-9	45 - 55		

## 3. HAZARDS IDENTIFICATION

Acute health effects

Skin contact

Unlikely to cause skin irritation.

Eye contact

May cause transient slight irritation

Inhalation

Minimal respiratory tract irritation may occur with exposure to large amounts of toner dust.

Ingestion

Low acute toxicity. Ingestion is a minor route of entry for intended use of this product.

Potential health effects

Routes of exposure

Potential routes of exposure under normal use conditions are skin and eye contact; and

inhalation

Ingestion is not expected to be a primary route of exposure for this product under normal use

conditions.

Chronic health effects

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

None of the ingredients have been classified as carcinogens according to EU, IARC, MAK,

NTP, OSHA or ACGIH.

Other information

This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive

1999/45/EC, and as amended.

### 4. FIRST AID MEASURES

First aid procedures

Skin

Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

Eye

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.

Material name C3909A-X Creation date Apr 30, 2003 MSDS US



Inhalation

Move person to fresh air immediately. If irritation persists, consult a physician.

Ingestion

Rinse mouth with water. Drink one to two glasses of water. If symptoms occur, consult a

physician.

5. FIRE FIGHTING MEASURES

Flash point and method

Not applicable

Auto ignition temperature

Not applicable

**Hazardous combustion** 

Carbon monoxide and carbon dioxide.

Extinguishing media

CO2, water, or dry chemical

Unsuitable extinguishing

media

products

None known.

Unusual fire and explosion

hazard

Like most organic material in powder form, toner can form explosive dust-air mixtures when

finely dispersed in air.

Fire fighting

equipment/instructions

If fire occurs in the printer, treat as an electrical fire.

Special firefighting procedures No

None established.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Minimize dust generation and accumulation. Avoid breathing dust.

**Environmental precautions** 

Do not flush into surface water or sanitary sewer system. See also section 13 Disposal

considerations.

Procedures if material is released or spilled

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

Handling

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.

Storage

Keep out of the reach of children. Store at room temperature in the original container. Keep the

container tightly closed and dry. Store away from strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limit values** 

USA OSHA (TWA/PEL): mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)

ACGIH (TWA/TLV): mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)

TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige

fraktion)

Personal protective equipment

General

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

**Exposure guidelines** 

Use in a well ventilated area.

9. PHYSICAL & CHEMICAL PROPERTIES

рΗ

Not applicable

Vapor pressure

Not applicable

**Boiling point** 

Not applicable

**Melting point** 

100 - 150 °C (212.0 - 302.0 °F) Softening point

Material name C3909A-X Creation date Apr 30, 2003 MSDS US

Version number 5



Softening point

100 - 150 °C (212.0 - 302.0 °F)

Solubility

Negligible in water. Partially soluble in toluene and xylene.

Specific gravity

1.5 - 1.8 (H2O = 1)

Flash point

Not applicable

Viscosity

Not applicable

Vapor density

Not applicable

Flammability

Not flammable

Appearance

Fine powder

Form

solid

Odor

Slight plastic odor

Oxidizing properties

No information available.

Other information

Decomposition temperature: > 200 °C

Color

Black

# 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

**Stability** 

Stable under normal storage conditions.

Conditions to avoid

Imaging Drum: Exposure to light

Hazardous polymerization

Will not occur.

Hazardous decomposition

Carbon monoxide and carbon dioxide.

products

Incompatibility

Strong oxidizers

## 11. TOXICOLOGICAL INFORMATION

Complete toxicity data are not available for this specific formulation

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

**Dermal irritation** 

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

Directive 67/548/EEC and as amended.

Eye irritation

Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU

Directive 67/548/EEC and as amended.

Sensitization

Not classified as a sensitizer according to EU Directive 67/548/EEC and as amended, and

OSHA HCS (US).

**Chronic toxicity** 

No information available.

**Oral toxicity** 

LD50/oral/rat >5000 mg/kg , Not harmful. (OECD 401)

Carcinogenicity

Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA

Regulations (USA), EU Directive, or Proposition 65 (California).

Mutagenicity

Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)

Reproductive toxicity

Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop.

65, and DFG (Germany).

## 12. ECOLOGICAL INFORMATION

Other information

This product has not been tested for ecological effects.

Material name C3909A-X Creation date Apr 30, 2003 MSDS US

## 13. DISPOSAL CONSIDERATIONS

Disposal instructions

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 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.

### 14. TRANSPORTATION INFORMATION

General

Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.

IATA

Proper shipping name

Not applicable

Special precautions

None

Packaging exceptions

None

Identification number (UN)

None

Packing group

N/A

### 15. REGULATORY INFORMATION

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.

US federal regulations

US EPA TSCA Inventory: All chemical substances in this product comply with all rules or

orders under TSCA.

US EPA TSCA 12(b): Contains p-Xylene (CAS No. 106-42-3), subject to export notification

requirements.

State regulations

This product contains no chemical substances subject to rules or orders under California

Proposition 65.

**HMIS** ratings

Health: Flammability:

Physical hazard:

**NFPA** ratings

Health: Flammability:

Instability:

1

0

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely

hazardous substance

No

Section 311 hazardous

chemical

No

**Hazard categories** 

Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

### 16. OTHER INFORMATION

Other information

This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation

(29 CFR 1910.1200).

Issue date

Oct 10 2005 11:55AM

Material name C3909A-X Creation date Apr 30, 2003 MSDS US

Revision

Replaces sheet dated

Oct 3 2005 2:31AM

Disclaimer

This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company 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.

**Explanation of abbreviations** 

**ACGIH** 

American Conference of Governmental Industrial Hygienists

CAS

Chemical Abstracts Service

**CERCLA** 

Comprehensive Environmental Response Compensation and Liability Act

**CFR** 

Code of Federal Regulations

COC

Cleveland Open Cup

DOT

Department of Transportation

**EPCRA** 

Emergency Planning and Community Right-to-Know Act (aka SARA)

**IARC** 

International Agency for Research on Cancer

NIOSH

National Institute for Occupational Safety and Health

NTP

National Toxicology Program

**OSHA** 

Occupational Safety and Health Administration

PEL

Permissible Exposure Limit

**RCRA** 

Resource Conservation and Recovery Act

REC

Recommended

REL

Recommended Exposure Limit

SARA

Superfund Amendments and Reauthorization Act of 1986

STEL

Short-Term Exposure Limit

**TCLP** 

Toxicity Characteristics Leaching Procedure

TLV

Threshold Limit Value

**TSCA** VOC

**Toxic Substances Control Act** Volatile Organic Compounds

Material name C3909A-X Creation date Apr 30, 2003